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The
HEMIST AND DRUGGIST
 RETAILER - WHOLESALER - MANUFACTURER

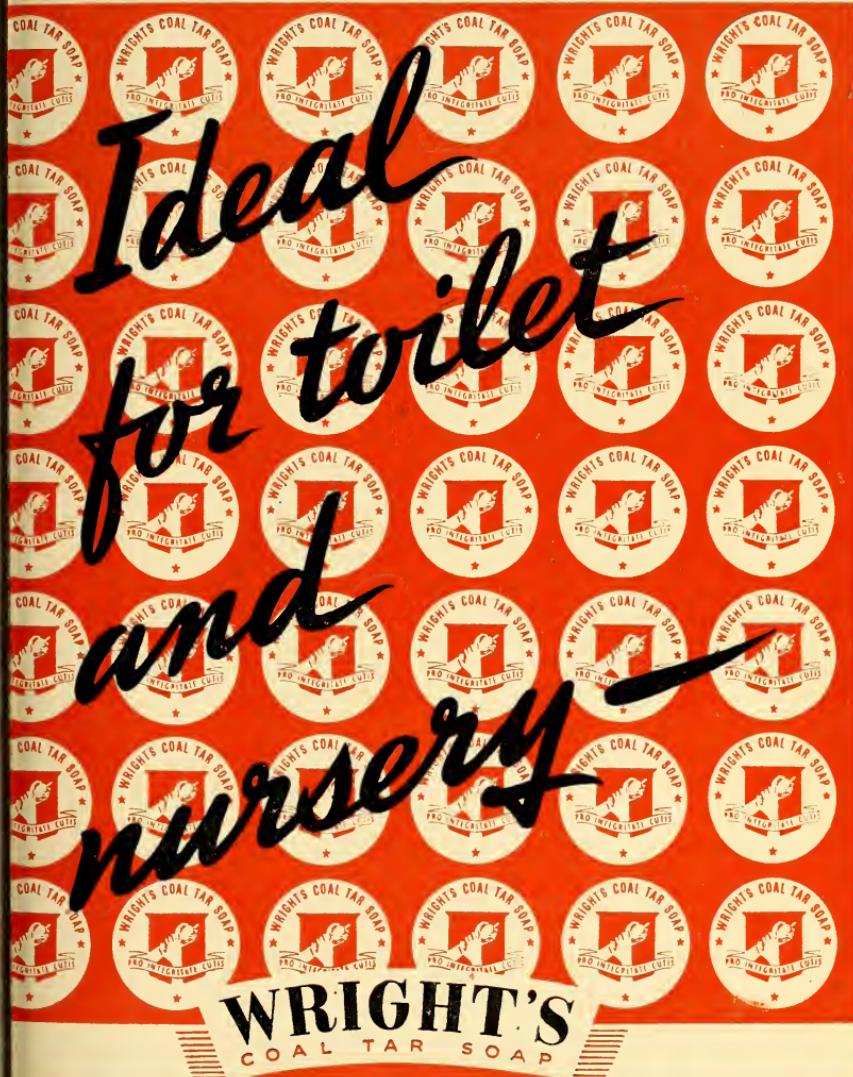
1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

6
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MAY 4, 1946

Annual Subscription (with
Diary) 25/- Single copies 9d.

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'MICAPON'

Tablet

*Calcium & Potassium Therapy
in Migraine*

'MICAPON' Tablets consist of potassium chloride and calcium lactate, in such proportions that the potassium and calcium ions are in the same ratio as that found in the blood-stream.

They are prescribed in the treatment of migraine headache.

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Read What Users of 'Elasto' Say:—

(Original letters have been seen by a representative of "The Chemist and Druggist")

Varicose Veins

"A sufferer of varicose veins, I must state before using 'Elasto' I was tortured with pain and aching legs. After taking a month's supply of 'Elasto' I remark with emphasis that the feeling of tiredness and aching has vanished. Truly sufferers of varicose veins I certainly recommend 'Elasto'—they are a boon."

A 180.

— R. P.

mediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since."

AT 1108.

— F. T.

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"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263.

— E. H.

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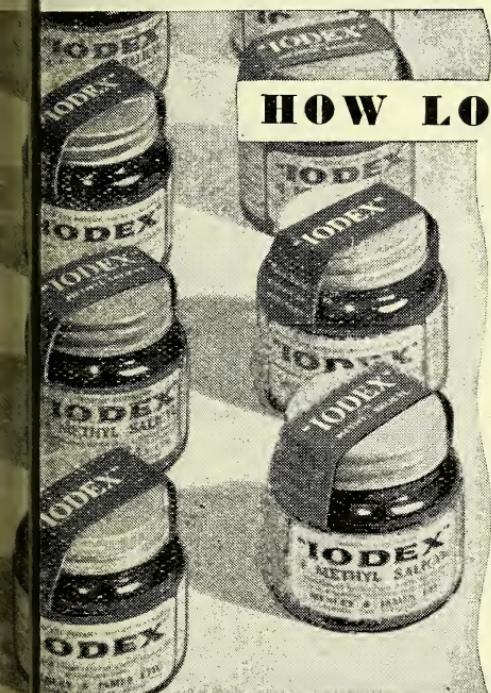
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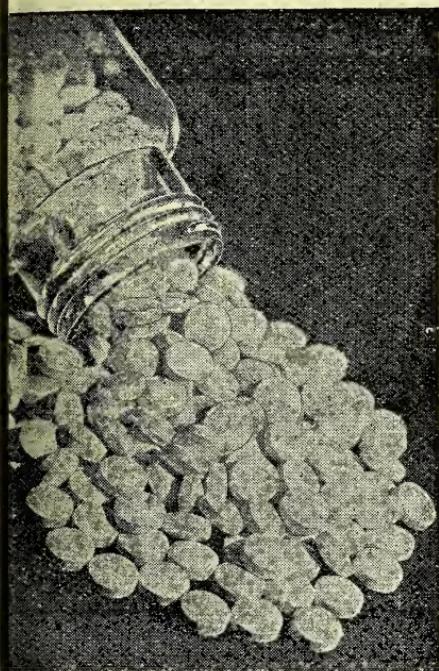
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PATA

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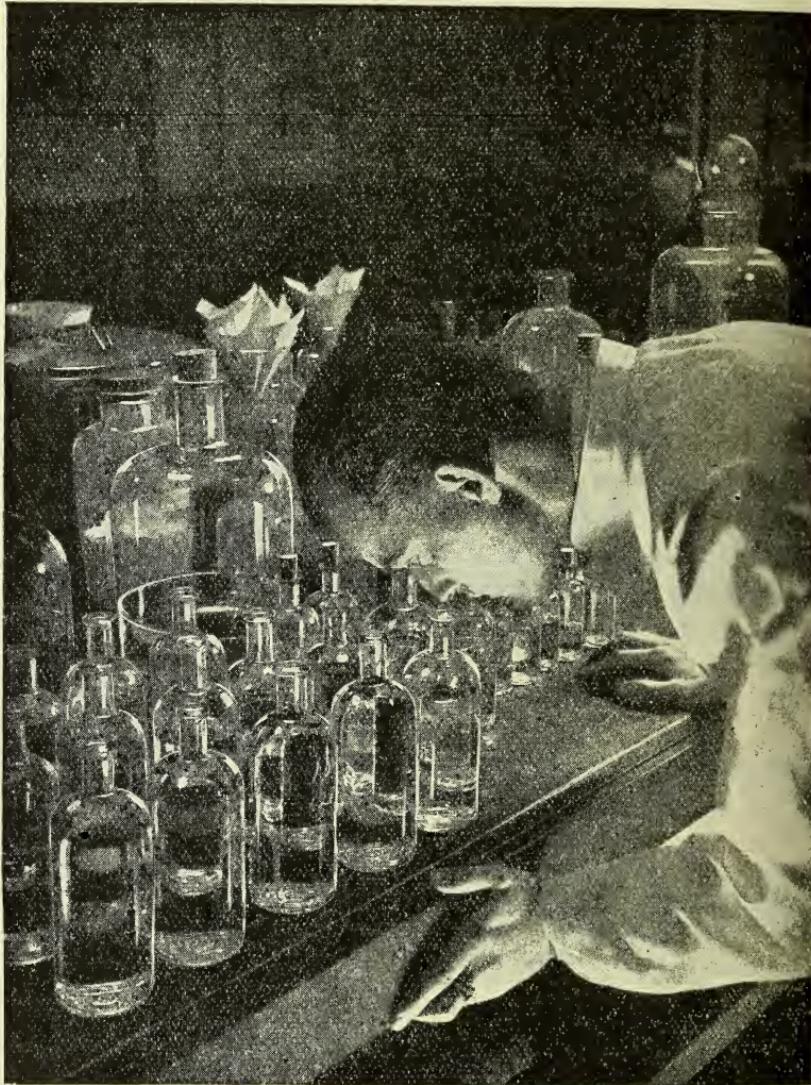
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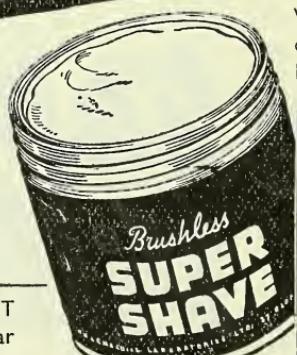
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NEWS OF THE WEEK

Industry Duty Exemptions.—The Ministry has made an Order exempting the industry duty until August 19 on carbamidine and urea. The Order (S.R. & O. 1946, No. 606) came into force May 1.

Vitamin B₁ Control to End.—From the Vitamin B₁ (Control) Order, S.R. & O., 1941, No. 183) is to be withdrawn. The Order provides for the control of manufacture, production, sale and distribution of vitamin B₁ for any purpose except medical, pharmaceutical, or scientific.

Coupons.—Soap coupons available during period II are the two upright small squares K 41/42 and 43/44 on page 11, the two whole coupons on books R.B.1, R.B.2 and R.B.4 each worth two rations of soap. Ministry of Food issues a reminder that additional supplies of soap are made available to holiday towns in the coming season, and that retailers in towns have been asked not to serve at the expense of residents.

Scarce Drugs Amendment.—The Ministry of Health has sent a communication suggesting that a notice under this title in the C. & D., April 20 (p. 481) may be misunderstood. Cinchona products have never been the subject of a Ministry of Health Scarce Substances Order but have been dealt with by separate Orders of the Ministry of Supply. Under S.R. & O., 1946, No. 940, extract and tincture of ipecacuanha are still scarce substances for which there are authorised alternatives (liquid extract of squill and a mixture of one volume of tincture of squill and one volume of water). In view of the supply position it is no longer necessary to supply alternatives to the other substances mentioned (aromatic spirit of ammonia, spirit of chloroform, spirit of peppermint, etc.).

Shop Assistants' Representation.—The National Amalgamated Union of Shop Assistants, Warehousemen, and Clerks, at its annual conference recently, carried a resolution to form a Parliamentary panel of two members.

Approval for Drug Name.—The Council on Pharmacy and Chemistry of the American Medical Association has given its approval to chloroquine as a non-proprietary name for the antimalarial substance known also under the name of SN7618 (7 chloro-4 (4-di-methylamino-1-methylbutylamino) quinoline. (See also p. 557).

B.M.A. Representatives' Meeting.—The agenda has been issued of a special representative meeting of the British Medical Association to be held at B.M.A. House, Tavistock Square, London, W.C.1, on May 1 and 2 to consider the report of the Council of the Association on the National Health Service Bill.

Edinburgh Health Week.—Hints on nutrition, posturing, care of the feet, and other aspects of personal health are to feature in a municipal health exhibition in the Royal Scottish Museum, Edinburgh, from May 4-12. The exhibition is part of health week activities organised by the Edinburgh Corporation and the Scottish Council for Health Education.

London Chamber of Commerce.—The sixty-fourth annual report of the London Chamber of Commerce gives a summary of the Chamber's special war-time services covering the years 1939-1945, together with general information regarding the work done during 1945. A chart is included showing details of the comprehensive organisation of the Chamber.

Aberdeen Association's 107th Year.—At the 107th annual meeting of the Aberdeen Pharmaceutical Association recently, the following officers were elected : *President*, Mr. H. Hughson; *Vice-president*, Mr. W. T. Elder; *Treasurer*, Mr. E. S. Stephen; *Secretary*, Mr. J. Conn. The name of Mr. John Spence, Ph.C., was put forward as successor to the late Dr. Tocher as examiner for the Petrie Trust bursary.

"British Case" on American Loan.—A sixteen-page pamphlet entitled "The American Loan Conditions : the British Case" has been issued by the Empire Industries Association, 9 Victoria Street, London, S.W.1. The pamphlet gives the text of a speech delivered by Mr. L. S. Amery, C.H., before the American Chamber of Commerce in London on March 19. Copies of the pamphlet may be obtained, price threepence per copy, post free from the Association.

Cost of Scientific Research.—The estimates for the Department of Scientific and Industrial Research for 1946-47 total

£2,390,934, an increase of nearly £1,000 over the previous year. Estimates for chemical research amount to £46,256 for pest infestation research to £2,818. Examples of the work carried out by Chemical Research Laboratory include development of a product incorporating DDT as a sheep dip, and the synthesis of phenanthridinium 1553 which has proved efficacious in combating trypanosomiasis disease in cattle.

Birmingham Dinner and Theatre Party.—A dinner and theatre party at Stratford-on-Avon to see a performance of "Tempest" has been arranged by Birmingham Branch of the Pharmaceutical Society. Coaches have been reserved for the journey but members may, if prefer, make their own transport arrangements. Numbers are limited to theatre and dinner tickets are 10s., coach tickets 6s. each. Applications should be made with remittance to Mr. D. Rushton (secretary), 1088 Stratford Road, Birmingham, 28, by May 15.

Peterborough Dispensing Hours.—Members of the Peterborough Chemists' Association unanimously decided at a recent meeting to oppose any tendency to return to former long dispensing hours. Association has instructed the local Pharmaceutical Committee not to consider recently reported request from the National Health Insurance Committee for confirmation by the Ministry of Health, a rota for extra-late dispensing (i.e. three pharmacies to remain open 7.30 p.m., while the others close at 6.30 or 7 p.m.).

Eire Licence Examination.—At the Licence examination held by the Pharmaceutical Society of Ireland in April, the following candidates were successful : Margaret Patricia Lenahan, Leo Vincent McKeown, Thomas Joseph Moran, Mary Agnes Ward (with Honours), Irene Clifford Conn, James Francis Cosgrove, Evelyn Cunningham, Thomas Foley, Vera Agnes Greene, Betty Hall, Kathleen Mary Hawkes, Anne Hourihane, Josephine Lawn, James Menamin, Ita Mary Naughton, Michael O'Connor, (Mrs.) Mary O'Connell, Joseph Quinn.

"Unhygienic" Orange Juice.—Horder criticised popular belief in necessity to health of vitamins and calories when he spoke at the Industrial Chemical Association's conference in London recently. One hundred years ago nothing was known about vitamins or calories, he said,

country people were healthy because they had a balanced diet—bread and milk, fat and more bread, cheese and butter. Women had grown fearful about lack of vitamins, as, owing to the absence of citrus fruits, they could not pour orange juice into a baby's stomach—"never a very nice thing to do."

Co-operative Research Organisation.—Scottish Co-operative Wholesale Society, Ltd., is developing a research organisation designed to develop in Glasgow under an expert principal to carry on continuous technical and research work into the development of new processes and new techniques, for later application in manufacture. Engineers will be engaged to apply the results of research in plant practice, while market and consumer research, statistical work and industrial surveys will all be carried out. The staff will include about 100 experts in various fields of technology.

Birmingham Penicillin Courses.—Short intensive courses on the dispensing of penicillin solutions and ointments in retail pharmacies will be given in the Department of Pharmacy and Biology, Central Technical College, Birmingham. Each course will consist of two practical periods on the same days from 2.30 to 5 p.m. and from 6 to 8 p.m. Six persons can be accommodated in each class, and the date can be arranged to suit those taking the class. The fee is 6s., and applications for admission should be made to Mr. F. R. C. G. B. Pharm., Ph.C. (Head of the department), stating convenient date.

at the Seaside.—A letter by Mr. H. G. Well (secretary, Weston-super-Mare Pharmaceutical Society), printed in "Western Mercury," explained the attitude of local chemists towards a reader's question that soap supplies should be restricted to residents only. He wrote: "The housewife is not a regular weekly visitor to a chemist, and, beyond the fact that her face may seem familiar, the chemist or his assistant cannot be sure that she is a 'local.' Furthermore, we get many visitors from the outlying villages, who are as regular customers to us as to the shop." If your correspondent can offer any good suggestion as to how we can supply 'locals,' we shall be pleased to have news. We have no legal right to add the ration book except for cutting out the coupons, neither can we refuse to customers if we have the goods on the shop."

Irish Drug Association.—The Committee of the Irish Drug Association, in a recently issued report to its members, stated: "The 1946 price list is now available and has been distributed to all members whose subscriptions have been paid for the current year. Members whose subscriptions are in arrear are asked to send a remittance to the secretary without further delay. The old price list should also be returned." The report stated that a manufacturer, in reply to a direct invitation from the Committee, had refused to place either their medicinal or their toilet preparations on the approved list. Wholesale prices were agreed between the Association and E. McCormack & Co., Dun Laoghaire, in respect of a number of brands of soap. The Committee had succeeded in having the profit margin on Cutex preparations adjusted to show 33½ per cent. on the retail price. The agreement made between the Association and Embex, Ltd., for one year, which expired on December 1, 1945, had not been renewed.

Photographic Industry's Future.—A review of developments in the photographic industry since the outbreak of war was given by Mr. Percy Harris, F.R.P.S. (editor of the "Miniature Camera" and vice-president of the Royal Photographic Society) to the North London Pharmaceutical Association recently. Mr. Harris who, as a member of a commission to investigate camera design, had recently returned from the Continent, said that he had come to the conclusion there was nothing to prevent us in this country doing equally well. British lenses were acknowledged as the best and were used in Hollywood even before the war. The past success of the German camera industry was not dependent upon subsidies, etc., but on an attitude of mind whereby meticulous care was exercised in workmanship resulting in a high-class article. He had found that the German manufacturers were keen photographers themselves. Before the war German industry had produced one million shutters, of which 50 per cent. were exported, many being incorporated in British cameras. During the war, new materials in glass manufacture had removed many of the limitations of former lenses. Perspex could be moulded into simple lenses but it was not yet possible to produce complex lenses of optical quality. Britain need not fear the competition in this sphere of industry she would meet from America, said the speaker.

MR. BEVAN EXPLAINS THE BILL

MR. ANEURIN BEVAN introduced his National Health Service Bill for its second reading in the House of Commons on April 30 in a speech that was, for him, quiet and restrained. He had no fireworks, no heated passages, when he claimed that the Bill would result in the shadow of doctors' bills being lifted from millions of homes, and that it would put Britain into the forefront of the nations of the world.

Teeth, Ears, Eyes

He brought everything into backing the Bill—even the condition of Britain's teeth, which, he said, were a national reproach. He added that in deafness, too, there had been little progress in making available cheap aids to hearing—he hoped to make a "welcome announcement" on that subject shortly. Only 25 per cent. of the people could obtain their spectacles and have their eyes tested by means of the assistance given by approved societies. The general mass of the population had no such facilities. The Bill, he claimed, would "universalise" the best of advice and treatment. He had approached the problem determined that he was not going to permit any sectional or vested interests to stand in the way of providing this valuable service for the British people.

He defended his hospital proposals, declaring that it was repugnant that hospitals should have to exist on charity—but said when the National Insurance Bill went through, 80 to 90 per cent. of their revenues would come from public money. The only thing to do, taking all in all, was to create a brand new hospital service.

Doctors' Isolation to be Broken Down

Mr. Bevan denied that there would be any "direction" of the doctors, or that they would be the "slaves" of the Minister of Health. The only effect of the Bill's proposals would be that a new doctor would have to ask permission to enter an area, and if there were enough doctors there already, that permission would be refused. He thought the Bill would break down the isolation in which the general practitioner lived, and it would, by associating him with the medical schools through a regional hospital organisation, make it possible for him to replenish his knowledge.

"By leaving ourselves open to take the best sort of individual on the hospital boards, we hope, before long, to build a high tradition of hospital administration."

Mr. Bevan had to argue with his supporters on the question of paying doctors. He said that the medical profession was not ready yet for a completely salaried service, and patients would probably like the opportunity of getting a second opinion—"this is a field in which idiosyncrasy is prevalent." (Laughter)

He denied that he had failed to consult. He had met the pharmacists, herbalists, medical and dental fictions, and many others. He had twenty conferences and his officials held another thirteen. These consultations had produced a considerable amount of agreement, and opposition to the Bill was not so strong as it was thought to be. Much of it arose from the doctors being given wrong information.

Opposition's Claim

MR. RICHARD LAW, for the Opposition, declared that a Conservative election victory would have produced a Bill for a 100 per cent. Health Service which would have avoided all the controversies. "It is an extraordinary thing that a Minister who has no administrative experience of a Government department and has no great knowledge of the subject matter with which the Bill is dealing, should set his own intuition and judgment against all that which is most informed in the medical professi-

A Pharmacist Speaks

During the subsequent debate CLITHEROW, M.P.S., said that if it carried out with goodwill, the Bill would become a credit to the country and a pattern to the world. Speaking as a pharmacist, he declared that the pharmaceutical profession was almost unanimous in intention to assist the Minister to the full of its ability to make the new service a complete success. He hoped that one result of the Bill would be a restriction on the sale of patent medicines.

MR. SARGOOD declared that there was an important omission from the Bill—the setting up of a bulk purchasing of supplies. The equipment, drugs and other goods would involve something in the order of an annual expenditure of £20 to £25 million. If every regional board was to have its own buying organisation, that would result in unnecessary competition, overlapping and unnecessary variation in the standard equipment.

The debate was adjourned.

TOPICAL REFLECTIONS

Pharmacists Needed

table showing the number of pharmacists serving in the Forces and the estimated number "due for release by June 1946" (p. 513) discloses a situation that in my view is serious. After a casual look at the table it might be assumed that as rather more than one-third of those serving "at" June 1945 are due for release by next June, the remaining two-thirds will be released by June 1948. But why? Three other news items in last week's issue are relevant in this connexion. (1) The number of candidates passing the Qualifying examination in Britain during April is exceptionally small—only twenty-one for the three countries. (2) Runcorn Trades Council is preparing for the provision of a pharmacy. (3) The Board of Trade is desirous of obtaining statistics from chemists concerning retail sales and stock values. These three all point to the same conclusion. The first indicates that few young people are qualifying; the second that at least one public body finds it necessary to press for the opening of a pharmacy; the third that chemists are desired to spend some of their time in the gratuitous preparation of statistics for a Government department. The natural inference is that every pharmacist is a key man, and that more of them are needed. For some time past we have been hearing of old qualified people who have been working beyond the limits of their strength in attempts to fill the places of younger men and women. This state of affairs cannot continue indefinitely.

Cards and Other Stops

In the merits of the schedule (with one or two more or less) referred to on p. 516 I will not enter: it raises, however, a question of practical importance. As most of our readers are aware, too many Acts of Parliament, schedules and regulations are effective in wording, through bad punctuation or otherwise, and have to be interpreted in courts of law. The process is sometimes costly. Careless punctuation is, unhappily, not confined to official documents. On the other hand, consistency in the use of stops is so difficult as to present, at times, an almost insolvable problem. If a dozen competent students were asked me an author whose care for style was almost an obsession, they would probably select Pater unanimously; yet The Renaissance" that author has

left a sentence of about seventy words punctuated monotonously by ten commas before the full stop is reached. This may, of course, have been done deliberately as an experiment. Near the other end of the scale of authorship comes "Thraliana," the diary of the well-known Mrs. Thrale for the years 1776-1809, edited recently, with a profusion of footnotes, by Katherine C. Balderston. Hester Lynch Thrale was a clever, and occasionally witty, member of a famous literary circle; but her spelling must have proved a severe trial to her conscientious editor. Her punctuation might almost be called a minus quantity.

A Side-light on James's Powder

As might be expected from what is known of Mrs. Thrale's friends and acquaintances, "Thraliana" contains little of pharmaceutical interest. It has, however, a mention of an unusual use of James's powder. In 1771 the diarist's eldest daughter was treated for worms by a Knightsbridge apothecary named Evans. The powerful effect of his powders, coupled with the fact that they were red, led her to suppose that they contained red precipitate; whereupon she hurried off to the apothecary, "rubbing a Guinea as I drove along to see if it would change the Colour on't." The mother's distress was so great that Evans disclosed the composition of his nostrum, "charging me upon my Honour never to tell the Secret while he lived." His statement was to the effect that on administering James's powder to his young son, who was ill with an acute fever, the medicine unexpectedly acted as a vermifuge. This effect gave the apothecary the idea of colouring the powder with cinnabar and prescribing it as a discovery of his own—which in a sense it was. Some months later Mrs. Thrale asked Dr. James, who was then attending her mother, if he could guess what Evans's powders contained. The entry continues: "Something of Mercury replied he I fancy, but tis impossible to know:—however you may always cure Worms without Quick-Silver by giving Tin with Wormseed, & the Use of the Aloe Clyster." It appears that James had a ready wit. Under another date we read in the same book: "Says Sir Thomas Robinson to Dr. James: I sometimes see double Sir, what would you advise me to do at such Times? Count your Money—replied the Physician."

Xrayser

BIRTHS

DONALDSON.—On April 11, Kathleen, the wife of William Donaldson, M.P.S.N.I., 31 Clarendon Street, Londonderry, of a son.

IRWIN.—At Balshagray Nursing Home, Glasgow, on April 24, Agnes Rosa (Babs Mackay), the wife of William Alexander Mackay Irwin, M.P.S., 12 Park Road, Glasgow, C.4, of a daughter.

WARD.—On April 18, Euphemia (Effie) Patricia Ward, M.P.S. (née MacEwan), 37 Stamford Road, Oakham, Rutland, the wife of Squadron-Leader Ward, of a son (John Robert).

MARRIAGES

CAMERON—TAYLOR.—On April 22, George Scott Cameron, M.P.S., 17 Perceval Road, Inverness, to Isabella Taylor, Tarves, Aberdeenshire.

CURRIE—CRAWFORD.—On April 24, Archibald Beveridge, Ph.D., B.Sc., son of Mr. Archibald Currie, Ph.C., 6 North Fort Street, Leith, Edinburgh, 6, to Marion Alma Crawford, Clydeview, Fairlie.

GILLHAM—GATH.—On April 27, Ronald William Gillham, Ph.C., pharmacy superintendent, Timothy Whites & Taylors, Ltd., Burley Hill, Leeds, 4, to Mary Gath, M.P.S., 19 Waverley Terrace, Hipperholme, nr. Halifax, Dangerous Drugs supervisor of the company.

MARSHALL—BEARDSLEY.—At Southampton, on April 22, Walter Wilkinson Marshall, Ph.C., M.P.S., Ilkeston, Derbyshire, to Phyllis Ethel Beardsley, B.Sc.(Econ.), Bassett, Southampton.

DEATHS

AITKEN.—Presumed to have lost his life in air operations on April 24, 1942, Warrant-Officer Jack Seton Aitken, R.A.F., younger son of Mr. Charles F. Aitken, M.P.S., 53 Bentinck Street, Glasgow, C.3, aged twenty-one.

BLAND.—On April 12, Mr. William Rowland Bland, M.P.S., 9 Bosworth Place, South Shore, Blackpool, aged seventy-one.

CHURCH.—On April 16, Mr. William Elsey Church, M.P.S., 206 Columbia Road, Bournemouth, aged seventy.

EVERETT.—Recently, Mr. John Garwood Everett, Ph.C., 2 June Avenue, Bromborough, Cheshire. Mr. Everett qualified as a chemist and druggist in 1887 and passed the Pharmaceutical Chemist examination in 1890.

FREWIN.—In a flying accident in 1943, Pilot-Officer Laurence William Ar Frewin, M.P.S., 12 Woodville Road, Ewell, Surrey, formerly of Romford.

HANKINSON.—At the Royal Masonic Hospital, Hammersmith, London, W.6, on April 25, Mr. Alfred M. Hankinson, Grosvenor Road, Ilford, aged seventy. Mr. Hankinson was a director of Hankins Ltd., druggists, Ilford and Manor Park, established the business at 223 Ilford in 1897 and was active in it until recently. He was one of the earliest members of the Ilford Chamber of Commerce and represented the Chamber on the Ilford Tuberculosis Care and Nursing Associations. He was a life governor of King George Hospital.

MOULTRIE.—On April 14, Mr. George Briggs Moultrie, M.P.S., 79 Beacon Rd., St. Peter's, Broadstairs, Kent, aged seventy-eight.

RICHARDS.—On January 14, Mr. Sydney James Richards, M.P.S., 39 Dallow Road, Luton, Beds, while on a service with the Royal Air Force. Richards qualified in 1939.

ROBINSON.—On April 17, Mr. Alfred Isaacs Robinson, Ph.C., Ivy Cottage, Farnham, Bishops Stortford, Herts, fifty-nine. Mr. Robinson qualified chemist and druggist in 1908 and passed the Pharmaceutical Chemist examination the following year. From 1930 until his death he was a member of the British Council Revision Committee on Pharmacognosy. In 1938 was appointed an examiner in pharmacognosy to the Pharmaceutical Society. He was a member of the British Council Revision Committee.

ROSS.—At the Royal Infirmary, Sheffield, on April 25, Mr. Alexander Ross, M.B., West Riding Mental Hospital, Wakefield, 6, formerly of Dornoch.

TRICKEY.—In London, on April 26, the result of a heart attack, Mr. V. Ralph Trickey, 57 Leslie Avenue, Tooting, aged forty-nine. Mr. Trickey was managing director of John Trickey & Sons Ltd. (health foods and toilet requisites).

TENNANT.—In Salford Royal Hospital, on April 23, Mr. G. A. Tennant, proprietor for James Woolley, Sons & Co., Manchester, and J. C. Arnfield & Sons, Stockport, aged fifty-seven. Mr. Tennant had been with Messrs. Woolley for forty years; he was taken ill while at work and died suddenly after a brief illness.

COMPANY NEWS

D T & MUIR, LTD. (P.C.)—Capital £500. Chemists and druggists, opticians, etc. and opticians' sundriesmen, etc. R. D. Piper, director. R.O.: Elements Inn, London, W.C.2.

N CO LABORATORIES, LTD. (P.C.)—£5,000. Druggists, chemists, manufacturers, etc. Claudius Nielsen and Harold W. Melhuish, directors. 150 Regent Street, London, W.1.

K NYNE PRODUCTS, LTD. (P.C.)—£100. Manufacturers of and dealers in chemicals, etc. John H. Harrison and J. Harrison, directors. Solicitors: Rhodes & Co., Rotherham.

G OF LONDON, LTD. (P.C.)—Capital £1,000. Manufacturers of and dealers in pharmaceutical preparations, medicines, etc. Directors to be appointed. R.O.: 108a Great Marlborough Street, London, E.C.4.

HUMAN-PHARMACALS, LTD. (P.C.)—£500. Chemists, druggists, etc. B. Herman, M.P.S., and Gertrude Herman, directors. R.O.: 7 Tithebarn Street, Liverpool.

F RANCIS (BIDEFORD), LTD. (P.C.)—£3,000. To acquire the business of chemist and druggist carried on by A. Gray at 77 High Street, Bideford, "J. Francis." Lionel A. and Mabel M. Gray, directors. R.O.: Stafford House, Bideford, Taunton.

F. CLARK (CHEMISTS), LTD. (P.C.)—£1,000. To acquire the business of pharmacists carried on by the executors of F. Clark at 12 Humberstone Gate, Leicester. Dorothy A., Kenneth W., and George H. Clark, directors. R.O.: As above.

E UND JONES, LTD. (P.C.)—Capital £2,000. To acquire the business of a wholesale and retail chemist carried on by Louisa M. Jones at 60 Miles Bank, Hanley, Stoke-on-Trent. Louisa M. Jones and Edward Corner, M.P.S., directors. R.O.: As above.

A OHEAT, LTD. (P.C.)—Capital £1,000. Manufacturers of and dealers in apparatus for heating, etc. Sidney J. Hine, W. N. Mann, and John R. Hine, directors. Solicitors: Kenneth Brown, Baker, Essex House, Essex Street, London, W.C.2.

N C. SINCLAIR & SONS, LTD. (P.C.)—Capital £2,000. To acquire the business of

a chemist and druggist carried on by the executors of Neil C. Sinclair, 112 Woolwich High Street, London, S.E.18, as "Neil C. Sinclair & Son." Angus L. Sinclair, Neil S. Sinclair, M.P.S., and Margaret F. G. Sinclair, directors.

UNILEVER EXPORT, LTD.—To further the development of their export trade, Lever Brothers & Unilever, Ltd., have amalgamated the export interests of their associates in the United Kingdom by the formation of a new organisation under the name of Unilever Export, Ltd. The new company will deal with the export of all proprietary and specialty lines sold by the associates of Lever Brothers & Unilever, Ltd., and will have the support of the organisations of all the overseas associated companies of the concern. The directors of the new company are: Chairman, Mr. J. I. Heyworth (a director of Lever Brothers & Unilever, Ltd.); Mr. A. M. Knox, Mr. J. P. Wattsworth, Mr. D. E. Budgett-Meakin and Mr. A. T. Ball.

BUSINESS CHANGES

MR. W. P. CHAMBERS, Ph.C., has joined Damancy & Co., Ltd., Harrow, Middlesex, as chief chemist.

MR. RALPH ALSOP, C.B.E., has been appointed a vice-chairman of the executive board of the British Tar Confederation.

THE BELFAST CO-OPERATIVE SOCIETY, LTD., has opened its seventh pharmacy branch at 80 Castlereagh Road, Belfast.

BRITISH TAR CONFEDERATION has removed to Artillery House, Artillery Row, London, S.W.1. (Telephone: Abbey 3731-32.)

THE CONTAINER RECLAMATION CO., LTD., has removed to 82-94 Seymour Place, London, W.1 (Telephone: Paddington 3456).

FRANK ROSS & CO. (LONDON), LTD., 4 Lloyd's Avenue, London, E.C.3, have been appointed buying agents for E. M. de Souza & Co., Rangoon.

MR. T. GRIFFITH, M.P.S., has been appointed sales representative with Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds, 7. He will operate from Sheffield.

EXPORT LICENSING DEPARTMENT, Board of Trade, has removed to Stafford House, King William Street, London, E.C.4. (Telephone: Mansion House 4555.)

TRADE NOTES

Available from Stock.—Among preparations of Sandoz Products, Ltd., London, W.1, which the distributors can supply from stock is Cedanilid. [Corrected note].

Again in Pre-war Pack.—Ucal wintergreen ointment, a product of United Chemists Association, Ltd., Cheltenham, is again available in the pack in which it was issued prior to the war.

Sulphonamides Range.—Inquiries about the four sulphonamide preparations issued by Boots Pure Drug Co., Ltd., Nottingham, are invited by the wholesale and export department of the company.

Emulsifier for Suntan Preparations.—Cyclo Chemicals, Ltd., Manfield House, Strand, London, W.C.2, recommend E.M. 630 as an emulsifier for liquid and cream suntan and leg make-up preparations.

Price Increase.—Subscribers are reminded that, as previously announced, the prices of Crème Simon, issued by Crème Simon (Distributors), Ltd., the Red House, 8 King's End, Ruislip, Middlesex, are advanced as from May 1.

Lipsticks in Twelve Shades.—The Tessa lipstick, which is issued in twelve shades by the J. Dunhill Manufacturing Co., Ltd., 17 Woodstock Street, London, W.1, is described by the manufacturers as "England's most exclusive lipstick."

Domestic and Surgical Antiseptic.—Issued by Duncan, Flockhart & Co., Edinburgh and London, as a counter speciality for sale by chemists, Atrol (Duncan) is a non-poisonous, non-irritant and non-staining preparation of pleasant odour. It is issued in 4-oz. bottles.

Assistance in Formulation.—An offer to supply formulas, if required and to give the benefit of many years' experience in all branches of toilet preparations manufacture, particularly on special formulas for overseas markets, is offered by Technical Assistance, Room 16, 265 Strand, London, W.C.2.

Controlled Viscosity.—Albright & Wilson, Ltd., 49 Park Lane, London, W.1, direct attention to the properties of Manucol sodium alginate, and to its many utilities in the preparation for pharmaceutical and toilet preparations. A booklet "Algicates in Pharmaceuticals" will be sent to any user on request.

Five-day Week.—Gelatin Products, Ltd., Trading Estate, Slough, Bucks, announce that they are now operating a five-day week

at their laboratories and manufacturing plant. An emergency staff will deal with matters requiring urgent attention on Saturday mornings.

Bonus Offer.—A bonus of one item free in every order for one doz. of either size M.O. magnesia oil is made by the manufacturers, Musterole Fine Products Ltd., Brook House, Park Lane, London, W.1. The sole distributors of this laxative antacid, which consists of emulsified liquid paraffin with magnesia, are Thos. Christopher & Co., Ltd., Farnham, Surrey.

England Visit.—M. Hubert Schliengen, director of Bertrand Frères, S.A., Grasse, France, recently visited Britain. The company's London representatives, Samuelson & Co., Leadenhall Street, have formed a special Grasse department for the sale of Messrs. Bertrand's lavender, floral essences, concentrates and isolates. The department is under the direction of Mr. S. T. Waite.

Least Toxic Diamidine Compound.—May & Baker, Ltd., Dagenham, Essex, claim that sufficient clinical evidence is now available to show that pentamidine isethionate—M. & B. is one of the least toxic of the aromatic diamidine compounds. The compound is a chemotherapeutic used in the treatment of early cases of *Trypanosoma gambiense* infection and kala-azar, and promises to be of value in the prophylaxis of trypanosomiasis. The company's preparation is available in 10 per cent. solution for intramuscular injection. Further information may be obtained from the medical information department of Pharmaceutical Specialities (May & Baker), Ltd.

New Insect Repellents.—Sketofax is a liquid insect-repellent, developed by the Wellcome & Co. (The Wellcome Foundation, Ltd., 12 Red Lion Square, London, W.C.1), as a result of war research, is claimed to set an entirely new standard of efficiency in personal protection against gnats, mosquitoes, and similar insects. It is a clear, faintly-perfumed liquid, in capsules containing sufficient for application to the face, neck or exposed parts. The capsules are packed in cartons of twelve and in boxes of six Sketofax brand cream insect-repellent. Incorporating the same active ingredients, it is available in screw-capped jars. Dispersal material is obtainable on application to suppliers.

PROPRIETARY ARTICLES TRADE ASSOCIATION

ACTIONS TO PROTECTED LIST—*Demuth, Ltd.*, dusting-powder (insect), 4-oz. sprinkler rs. 8s. 3d. doz. (exempt from tax).

Ends Harlene, Ltd., The following prices and terms will operate from May 1: Harlene hair powder and tonic, 12s. doz., tax 12s. doz., incl. 12s. 6d. doz.; Harlene perfume retail price 2s. 3d.; 28s. 9d. doz., i.r.p. 5s. 5d. Cremex shampoo powders, 2s. 4d. doz., tax 9d. doz., i.r.p. 4d. Brillantine, 12s. doz., tax 12s. doz., i.r.p.

A. Astol hair-colour restorer, 19s. doz., 2s. doz., i.r.p. 3s. 7d. Astol hair-colour restorer, 33s. 6d. doz., tax 33s. 6d. doz., i.r.p.

B. Harlene wave-setting lotion, 12s. doz., 2s. doz., i.r.p. 2s. 3d. Harlene camomile hair-wash, 12s. doz., tax 12s. doz., i.r.p. 2s. 9d. doz., tax 28s. 9d. doz., i.r.p.

C. Harlene camomile shampoo-powders, 2s. doz., tax 9d. doz., i.r.p. 4d. Harlene wave-set, 12s. doz., tax 12s. doz., i.r.p.

D. Harlene hair-cream, 12s. doz., tax 12s. r.p. 2s. 3d.; 21s. 6d. doz., tax 21s. 6d. r.p. 4s. 0½d.

E. *Crystol Products Co., Ltd.*, First Gala series replaced by new range of Gal beauty preparations, lipstick, 39s. doz., tax 39s. doz., i.r.p. 7s. 6d.; lipstick refill, 18s. 6d. doz., tax 18s. doz., i.r.p. 3s. 6d.; Junior lips, 18s. doz., tax 18s. doz., i.r.p. 3s. 6d.; conditioning cream, 39s. doz., tax 39s. doz., i.r.p. 6s. 6d.; Junior conditioning cream, 20s. doz., tax 20s. doz., i.r.p. 3s. 11d.; facial cream, 30s. doz., tax 30s. doz., i.r.p. 6s.; Junior facial cream, 18s. doz., tax 18s. doz., i.r.p. 3s. 6d.; foundation cream, 30s. doz., tax 30s. doz., i.r.p. 6s.; Junior foundation cream, 18s. doz., tax 18s. doz., i.r.p. 3s. 6d.; powder, 30s. doz., tax 30s. doz., i.r.p. 6s.; Junior powder, 18s. doz., tax 18s. doz., i.r.p. 3s. 6d. Outdoor Girl oil beauty preparations: Entry in A. year-book, 1946-47, becomes 'as follows': Face powder, non-spill box, 4s. 6d., tax 4s. 6d. doz., i.r.p. 10½d.; lipstick, 6s. doz., tax 6s. doz., i.r.p. 1s. 2d.; lipstick refills, 4s. 6d. doz., tax 4s. 6d. doz., i.r.p. 10½d.; rouge, 4s. 6d. doz., tax 4s. 6d. doz., i.r.p. 10½d.; cosmétique (eye mascara) with brush, 6s. 6d. doz., i.r.p. 1s. 2d.; four-cream, 4s. 6d. doz., tax 4s. 6d. doz., i.r.p. 10½d.; vanishing cream (jars), 4s. 6d. tax 4s. 6d. doz., i.r.p. 10½d.

F. *Medical Supplies, Ltd.*, Increased : Glow-well liniment, 14s. doz., tax 14s. doz., i.r.p. 2s.

G. *T. Kirby & Co., Ltd.*, Aspirin tablets, 3s. 9d. doz., tax 8d. doz., i.r.p. 10d.; 8s. 9d. doz., tax 1s. 6d. doz., i.r.p. 2s. 5½d.

H. *Caw, Stevenson & Orr, Ltd.*, Prices in Eire : tincture, tubes, 1s. 1½d., 7s. doz. up to six doz.; 1. doz. for six to eleven doz., 78s. gross.

I. *Steradent, Ltd.*, Prices in Eire: Steradent re-cleaner, 1s. 1d., 9s. 9d. doz.

J. *Wholesale Section—J. R. Gibbs, Ltd.*, London, admitted to membership.

PERSONALITIES

MR. R. J. BRAND, M.P.S., has been elected chairman of the Thame urban district council. He was previously chairman in 1938.

LIEUTENANT-COLONEL R. W. WREN, T.D., a director of Potter & Clarke, Ltd., London, has been appointed Honorary Colonel of the 639th Regiment, Royal Artillery. The Regiment was formed from the Sixth Battalion, The Essex Regiment, which Colonel Wren commanded at the outbreak of war.

BRIGADIER N. H. FAIRLEY, Director of Medicine in the Australian Army, is shortly leaving Australia for Britain on an Australian Army mission, at the conclusion of which he will take up appointments as director of tropical research at the Wellcome Research Foundation and professor at the London School of Hygiene and Tropical Medicine.

MR. A. T. MARWOOD (Midlands representative for Solport Bros., Ltd., druggists' sundriesmen, London, E.C.1) has been re-elected to the Carlton, Nottingham, urban district council, of which he has been a member for twenty-five years. At a meeting of the council he was elected for a second term of office as chairman. He has been chairman of the council's housing committee for twelve years and of the finance committee for nine years.

CANADIAN PRICES SURVEY

The Canadian War-time Prices and Trade Board reports on a dominion-wide survey that "no significant changes and no unexpected increases" have taken place in retail prices of goods and services suspended from price ceilings on February 1. The survey was made as a part of the Board's plan, announced at the time the ceiling prices were first suspended, for following price developments in all suspended items. The Board reported: "In an extensive check on prices of cosmetics, proprietary medicines, household remedies and pharmaceutical products, investigators observed that there had been as many price declines as price increases. In cases where increases had occurred they were generally small and appeared to be adjustments back to a normal selling price structure where the basic period price had been out of line on particular items." Regionally, the survey showed practically no variation. Thirteen Canadian cities were covered by the investigation.

INQUESTS

Pharmacist's Suicide.—At an inquest at Torquay on Govan Henry Scott, M.P.S., Torquay, who was found at the foot of cliffs in the neighbourhood recently, medical evidence was to the effect that he had suffered from the effects of cerebral haemorrhage for about four years. His mentality was good but he seemed worried. A verdict of "suicide when suffering from acute depression" was returned.

Jaundice from Blood Transfusion.—At an inquest at Worcester on April 25 it was stated that Arthur Saville had died from a rare form of jaundice ninety-three days after receiving a plasma transfusion. The pathologist at Worcester Infirmary said that one of the blood donors who supplied the sample used was a carrier of jaundice. Not everyone who received a sample of that particular blood would suffer from it. The inquest was adjourned for further evidence.

Emulsion Containing DDT.—At Formby, Lancs, on April 12, a death following the taking of 6 oz. of a mushroom-fly emulsion containing DDT was investigated by the South-west Lancashire coroner. The preparation was stated to be 400 times as strong as recommended for use as an insecticide. The coroner suggested that manufacturers should place "Not to be taken" on their tins. He recorded an open verdict, stating that the man might have drunk the emulsion in ignorance to cure a stomach complaint.

Weed-killer Suicide.—At Lyvennet Mill, nr. Morland, Cumberland, recently, a verdict that she had taken her life while the balance of her mind was disturbed was returned on a sixty-four-year-old woman who died shortly after drinking weed killer. The woman's husband stated that he had obtained the compound for use in his garden but it had never been used and was on a shelf under the stairs. The weed killer was stated to contain about 50 per cent. arsenic; a large dose must have been taken to account for the quantity of arsenic the post-mortem revealed.

Liniment Instead of Cod-liver Oil.—Poisoning as the result of accidentally drinking liniment led to an inquest at the County Hospital, Whiston, Lancs, recently, on Richard Sharrocks, Parr, St. Helens. The widow said that her husband had been taking cod-liver oil for chest trouble. The bottle was kept in a kitchen dresser with two other medicine bottles, one of which contained oil of wintergreen, which she bought be-

cause her husband complained of pain in the back. She saw the liniment bot the hand of her husband. Beyond statement on the bottle label that the contents were not to be used internally, she did not know the liquid was dangerous. Her husband's eyesight and sense of taste were not good. A verdict of "death by misadventure" was returned.

Strychnine Overdose Given by Orderly.—How a German prisoner-of-war military orderly came to give a British soldier guard at the Arbury Hall prisoner-of-war camp, a dose of strychnine twenty times the maximum dose was related to the coroner recently at an inquest on Private George Eric Wardleworth, Pioneer Corps. Evidence was given by the orderly, who said he was assisting the British military orderly when the dead soldier came in complaining of pains in the stomach. He gave him a dose of medicine from a bottle and he was under the impression that it had been diluted to the proper strength as used in the German hospital. The coroner, who said: "It was a very grave omission of duty on the part of someone responsible for allowing such a thing to happen," accepted the German's evidence that the poison was given in error, and returned a verdict of "death by misadventure."

Morphine "Share-out."—At an inquest at Rhyl, recently, the coroner questioned witnesses about a "family share-out" of a hoard of morphine tablets found locked in a box in the home of Charles Brimelow, Sandringham Avenue. It was stated that the total number involved was large enough to kill everybody in Rhyl, and the coroner described the share-out as a most impudent proceeding. Charles Leo Brimelow, a consulting medical herbalist and the eldest son of the dead man, said that, after consulting his brothers in Oldham, he surrendered the morphine tablets to the police. On representations from his niece that she wanted two packets for a doctor who had been attending her grandfather, he handed over the packets. The doctor, however, when seen, denied receiving them and advised him to see a solicitor, who in turn urged him to see the police. A police inspector gave evidence at the inquest that he had made inquiries and had found that the tablets in the house were legitimately supplied to the dead man's wife on prescription of a local doctor. A verdict of "death from natural causes" was returned.

LEGAL REPORTS

Food Act Fine.—At West London police court, recently, Palmer's Stores, Ltd., North End Road, Fulham, were fined £20, with £10. costs, for supplying gelatin powder said to contain 99.5 per cent. glue and over cent. rolled oats, barley and dirt.

Pharmacy Act Cases.—At Chatham magistrate's court, on April 26, Mrs. Blanche Beveridge, director of a local company, was fined a total of £7, with £3 3s. costs, for unlawfully selling a vegetable laxative containing a statutory poison and for unlawfully using the description "chemist" in connexion with two of the company's shops. It was stated that Mrs. Beveridge and her husband (a qualified chemist) had four shops, two of them staffed by chemists and two under unqualified manageresses. The company had tried to secure the services of pharmacists from the Forces so that the two shops converted into drug stores during the war could revert to their pre-war status. The task of removing the description "chemist" from the shop signs had been put in the hands of contractors, but they had so far been unable to execute the commission.

Imprisonment and £900 Fine.—A sentence of two years' imprisonment, with fine totalling £900, was imposed at Stratford-on-Avon police court on April 24, on Reginald Alfred Patten, described as a chemist, of High Road, Leyton, E.10. His brother, William Henry Patten, of the same address, was fined £275. Both pleaded "guilty" to evasions of purchase tax by Allied Chemical Products, a business of which they were the proprietors as partners. The sentence imposed on Reginald Patten was the maximum that could be given, and was for making a false statement to a Customs officer that all the business of the company was with customers already registered for purchase tax. The prosecution alleged that Reginald Patten had deserted from the Army and reopened a business previously carried on by the two brothers. In 1943 his gross turnover was £578, rendering him liable for registration for purchase tax purposes, but he did not apply for registration and remained unregistered until compulsorily entered on the list between January 1944, when the registration took place, and October of the same year, he collected £1,011 for purchase tax, paid nothing to the Customs authorities. His gross evasion amounted to £1,370, of which £600 had later been paid. On

behalf of William Patten it was pleaded that he had been in the Army for the whole of the period and had little knowledge of what his brother was doing.

COMING EVENTS

Tuesday, May 7

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.30 p.m. Annual meeting.

MANCHESTER BRANCH, CHEMICAL SOCIETY, University, Manchester, at 6.0 p.m. Professor J. M. Gulland on "Recent Developments in Polynucleotide Chemistry."

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Medico-Chirurgical Society, St. James' Street (Old Market Square), Nottingham, at 7 p.m. Annual meeting. Mr. W. J. Tristram, J.P. (a member of the Society's Council), on "The New Health Service."

WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACISTS, AND BRANCH, Church Institute, 27 Romford Road, Stratford, London, E.15, at 7.45 p.m. Annual meeting.

Wednesday, May 8

SCOTTISH CHEMISTS' GOLFING SOCIETY, Glen-eagles golf course. Golf trophy competition.

BIRKENHEAD PHARMACISTS' ASSOCIATION, Chamber of Commerce Rooms, Hamilton Square, Birkenhead, at 7.15 p.m. Annual meeting.

LEEDS PHARMACY STUDENTS' SOCIETY, Medical School, Leeds, 1, at 3 p.m. Film show: "Penicillin," "DDT," "Blood Transfusion" and "The Conquest of a Germ."

ST. ALBANS, BARNET AND DISTRICT BRANCH, NATIONAL PHARMACEUTICAL UNION, Mayor's parlour, Town Hall, St. Albans, at 7.30 p.m. Inaugural meeting. Mr. R. H. Kemp (local organisations officer, N.P.U.) on "The National Health Service and Other Matters."

Thursday, May 9

NEWCASTLE AND NORTHUMBERLAND BRANCH, PHARMACEUTICAL SOCIETY, Crown Hotel, Newcastle, at 7.15 p.m. Annual meeting.

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Oak Hall, Baptist Church, College Road, Harrow, at 7.15 p.m. Mr. J. F. McNeal (a member of the Society's Council), on "The National Health Service."

Friday, May 10

NEWCASTLE SECTION, CHEMICAL SOCIETY, King's College, Newcastle-on-Tyne, at 5.30 p.m. Sir Robert Pickard, F.R.S., on "Whither Chemistry?"

Sunday, May 12

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Penistone and Bamford. Meet at London Road station, 8.45 a.m. Book Penistone single.

STATEMENT ON FOOD LABELLING

A NOTICE on the labelling of medicated foods and drinks has been issued by the Ministry of Food. Food is defined in the Defence (Sale of Food) Regulations, 1943, and the Labelling of Food (No. 2) Order, 1944, says the statement, as "Any article used as food or drink for human consumption and including any substance which is intended for use in the composition or preparation of food, any flavouring, sweetening matter or condiment, and any colouring matter intended for use in food," and it is laid down that an article shall not be deemed not to be food merely because it is also capable of being used as a medicine. A medicinal or medicated product may, therefore, be both a food and a medicine. The fact that a food is recommended as a medicine, and must comply with the requirements of the Pharmacy and Medicines Act, 1940, does not make it any the less a food : the true criterion is whether or not it is ordinarily used or intended to be used as a food. Moreover, the payment of purchase tax upon a food as a medicinal or medicated food does not make it the less a food for the purpose of labelling under the Orders.

Foods Containing Pharmaceutical Products

Foods to which pharmaceutical products have been added, such as infant and invalid foods, cod-liver oil, malt extract, wheat germ, yeast extract in powder form, herb teas, medicated soft drinks and such alcoholic medicated liquors as require an excise licence for sale, are therefore foods for the purpose of the Orders and, if pre-packed, must comply with the requirements of the Labelling of Food (No. 2) Order and include on the label :—

(a) The name and address of the packer or labeller or of the person to whose instructions or on whose behalf the product is packed (or a registered trade mark, providing that the words "registered trade mark" appear in close proximity to it);

(b) the common or usual name of the product (if any);

(c) the appropriate designation of each ingredient; and

(d) a statement of weight or measure.

For all foods, whether or not pre-packed, any suggestion in an advertisement or label of the presence of vitamins or minerals must be substantiated by a statement of the amount present in that advertisement or label. Manufacturers should ensure that

the label or description of a product is misleading as to its nature, substance or quality and in particular as to its nutritive or dietary value, or they will contravene provisions of the Defence (Sale of Food) Regulations, 1943.

Homœopathic Preparations

Where a product is formulated on homœopathic principles, and the ingredients disclosed are present only in minute traces, the Ministry has regarded disclosure of these ingredients and claim as to nutritional or dietary value as misleading, unless accompanied by a clear and conspicuous indication that the ingredients are of no significance except in homœopathic practice. The Ministry prepared to advise individual manufacturers on their labels if specimens are submitted in triplicate, together with a quantitative statement of composition (which will be treated as confidential), to the Standards and Labelling Division, Ministry of Food, 28 Lancaster Gate, London, W.2.

CHEMIST AS TRADE UNIONIST

At a meeting of the Birmingham Section of the British Association of Chemists on April 3, Mr. J. Stewart Cook, B.Sc. (organising secretary) spoke on "Chemist as a Trade Unionist." Mr. Cook stated that he intended to expand many aspects of the subject and not necessarily his own views or those of the Association. He referred to the Webster definition of a trade union as "a continuous association of wage-earners for the purpose of maintaining or improving the conditions of their working life" and suggested that the definition could be extended to persons who received monthly remuneration, called a salary. The profession of chemistry might be more attractive to-day, he suggested, chemists had seen the wisdom of organising themselves in trade unions like teachers and doctors. Chemists must not be deterred by the word "politics," but must examine the problem before them in the same spirit as they display in dealing with problems of the laboratory or works.

Subsequent to Mr. Cook's address, the Association has announced that a pharmaceutical subcommittee has been set up to advise on all matters relating to the interests of its pharmacist members. The chairman is Mrs. S. M. L. Tritton, M.P., and the vice-chairman, Mr. W. E. Boyce.

MEDICAL ABSTRACTS

Sen-insulin.—In the only insulin plant in the American and French zones of many crystalline insulin is made into insulin with a synthetic substance, *o*-methyl-4-amino-quinolyl-6) urea to which the name Surfen has been given. The product is claimed by the makers to be better than protamine insulin. Its comparison with globin-insulin has not been examined. Details of the preparation of sen-insulin are the subject of a report "Insulin Manufacture at Höchst," issued by M. Stationery Office, price one shilling.

American Antimalarial.—The development of a new synthetic antimalarial drug has been announced recently by the Board for the Co-ordination of Malaria Research in Washington. ("American Professional Pharmacist," February 1946, pp. 33.) The drug is a member of the quinoline series, and has the formula 7-chlor-4-(4-diethylamine-1-methylamino) quinoline. It is superior to quinine for several reasons:—(a) Attacks after treatment for one or two days compared with four to six days with quinine; (b) a once-a-week dosage is adequate for a suppressive effect; (c) it produces no discolouration of the skin, agreeable gastro-intestinal symptoms.

Care in Anæsthesia.—“A milestone in anæsthesia” is the description given by Dr. Halton, Liverpool, to curare, a drug which for nearly a hundred years has been “stagnant” under “clinical taboo.” (“Acet,” March 23, p. 424.) The chief indication for curarine is abdominal surgery, the drug’s selective paralytic action on voluntary muscle “... enables progressive relaxation to be produced quickly and easily, and at little cost to the patient reckoned in terms of damage to vital organs....” In addition “... the retention of active intestinal peristalsis, the recovery from the anaesthetic, and smooth shock-free convalescence, make operation far less of an ordeal for the patient.” More than a thousand cases have received curare in the form of *d*-tubocurarine, and they have all been saved from the necessity of being kept at a deep level of general anaesthesia. The dose of curarine is small, and too much leads to cessation of respiration, but the effect of the drug is brief, and artificial respiration soon restores normal respiratory activity. Prostigmin, a specific antidote in animals, has been so successful in neutralising curare in man.

NEW BOOKS

Your Health, Mr. Smith.—Dr. Stark Murray. 4½ in. x 7½ in. 24 pp. Sixpence. Today & Tomorrow Publications, Ltd., 35 Long Acre, London, W.C.2. In this pamphlet Dr. Stark Murray explains to the “ordinary citizen” proposals for a National Health Service, many of which have since become embodied in the Bill now before the House of Commons. The present system of medical services he describes as complex, and its shortcomings are pointed out.

Bulletin of the Health Organisation, League of Nations.—League of Nations, Geneva. 6½ in. x 9½ in. Volume XI, 1945. Pp. 235. 6s. Obtainable from Allen & Unwin, Ltd. (League of Nations Publications Department), 40 Museum Street, London, W.C.1. The volume forms a bibliography of the technical work of the Health Organisation of the League of Nations from 1920 to 1945, and consists of an index not only of the ten volumes of the Bulletin already published, but also of all documents published separately or multigraphed. It is divided into the following sections:—(1) The origin, constitution, etc., of the organisation; (2) field work; (3) technical studies and publications; (4) index of authors; (5) geographical index.

Handbook of Infectious Diseases, with notes on Prophylaxis, Serum Treatment, and Vaccination. Staff of the Cantacuzène Institute, Bucharest, under the direction of Professors C. Ionescu-Mihăescu and M. Ciucă. 4½ in. x 5¾ in. Pp. 331. 5s. League of Nations, Geneva. Obtainable from Allen & Unwin, Ltd. (League of Nations Publications Department), 40 Museum Street, London, W.C.1. The second edition (1944) of an original compendium compiled by the Rumanian authorities has been brought up to date with information collected during the war by the Health Section of the Secretariat of the League of Nations, Geneva, and has been published in the present form. The work reviews infectious and parasitic diseases grouped according to their aetiological agents. A clinical description, symptoms, laboratory diagnosis, treatment, channels of contagion, and prophylaxis are among the headings dealt with concisely for each disease. Coloured illustrations of diagnostic skin tests are given and the handbook contains digests useful to pharmacists on serum and vaccine treatment, sulphonamides, and penicillin.

OPENING CEREMONY AT BIRDSGROVE HOUSE

USED as the emergency headquarters of the Pharmaceutical Society during the war, Birdsgrove House, Mayfield, Derbyshire, was opened as the Society's Convalescent Home on April 28. Members came from many parts of the country for the opening ceremony, and were later entertained to light refreshments.

not be high, but there was nothir to prevent patients sending a subscri on afterwards.

The president also paid a tribu to Miss M. C. Jones, who had been o staff at Birdsgrove House in war-time who was the new warden. She had c as her motto that of the house, " I

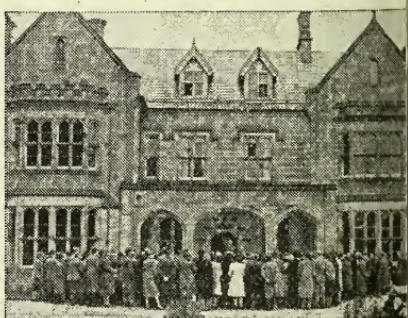


Left: The president of the Pharmaceutical Society (Mr. J. C. Young) mounts an improvised platform to deliver his address. *Right:* Group photographed at the opening. Included are the president of the Society and Mrs. Y. Miss M. C. Islip, Mrs. J. K. Irvine and Messrs. E. A. Brocklehurst, T. Heseltine, J. F. McNeal, F. C. Shaw and F. C. (members of Council) and Mr. H. Steinman (chairman, National Pharmaceutical Union).

President's Address

MR. J. C. YOUNG (president) who formally opened the home, disclosed how the idea of the convalescent home originated. While at Mayfield, to which the Pharmaceutical Society had taken its staff and records when instructed by the Government to move out of London during the war, the Society's treasurer (Mr. H. C. Shaw) had had an inspiration. Why not retain the building, not only for old people, but for young ones, too, members of the Society in need of opportunity to recuperate, and allow them to spend four weeks amongst such pleasant surroundings? For over a hundred years the Society had provided sufficient funds to help old folk, and members had built up such a splendid benefit fund that the expenditure on the new home would not affect it seriously. The cost of stay, Mr. Young said, would

for the highest," and her vocation will to coach residents back to health. The of Mayfield (the Rev. Dodson Tuds



Birdsgrove House, Mayfield, Derby.

offered the opening prayers. It might well be, he said that sometimes sufferers were refined and purified by their pain, but many people were embittered rather than purified by suffering.

Prison for Widows

The chairman of the Benevolent Fund Committee (Mr. J. F. McNEAL) said that on subscriptions and interest from invested capital were available for distribution, and on this was laid the very solid foundation from which the home was being supported. Birdsgrove House not only meant to relieve the distress of infirm, but also for members' widows and orphans. During the 100 years since the establishment of the Fund, beneficiaries increased from two to seventy-five. If the subscriptions were maintained at the present rate the home would be a permanent feature.

Mrs A. PRIME (receptionist) then presented Mrs. Young with a bouquet of flowers. An apology was read from Mr. H. Linstead (secretary) who is on temporary duties abroad, and who sent a telegram of good wishes. Supporting the present were three local members co-opted to the house committee (Messrs. Mellor, Utter; Taylor, Derby; and Morris, Ashbourne), Mrs. Young, Mr. and Mrs. McNeal, Mrs. J. K. Irvine, Messrs. Wilson, H. C. Shaw, E. A. Brocklehurst, T. Heseltine, W. J. Tristram, and Shaw (treasurer); Miss M. C. Islip, Messrs. W. E. M. Morris (financial), McCloshy (inspector), and Powell (examiner). In all, more than 250 people attended the function.

PHARMACEUTICAL SYMBOLS

"Look String and Sealing Wax" was the title of an address on historical aspects of the pharmaceutical profession, given by Mr. G. MATHEWS, Ph.C., at the annual meeting of the Edgware Division of the London Pharmaceutical Association recently. The oldest pharmacy fronts in the country, said the speaker, were about a hundred years old. In the early seventeenth century, a Frenchman had said that a pharmacy should include one cubicle in which the apothecary might sleep. This should be above the shop and above it must be a room or rooms for the storage and drying of drugs. The shop should be ample quadrangle and a lucid room with doors." The rear door should lead to a den with a window overlooking the so that the apothecary could observe

the visitors to his establishment and could also see that his apprentices were carrying out their duties in a proper manner. Centuries ago, the pharmacy had been a meeting place at which all types and professions would foregather and this held to some extent to-day in drug stores of some towns of the United States of America. Carboys were said by some to have originated during the Great Plague, when they were used as a sign to enable people easily to recognise where assistance might be found. Another theory was that carboys, filled with blood, were the sign of the blood-letting barber. Most continental countries had carboys; in France one commonly found the stoppered cylinder. A feature of some continental pharmacies was the high table with fine baroque balance-stand. During weighing, the balances were held suspended in one hand and the pans, containing weights and medicament, balanced with the other.

EDINBURGH SCIENCE PAPERS

THE process of producing salt from sea water by natural evaporation in tropical countries was described by Mr. Eric Knott in a paper on "Solar Salt" read at a meeting of the North British Branch, Pharmaceutical Society, in Edinburgh, recently. The process forms an important industry, he said, in the Dead Sea area, along the Red Sea, and at Aden. By-products such as potassium and magnesium salts and bromine made a valuable contribution during the war to the Allies' resources, and the industry often worked primarily for these by-products. Amongst uses for the salt was the production of sodium chloride tablets for heat exhaustion.

Adrenaline Acid Tartrate

In a paper "Note on the Stability of Adrenaline Solutions," Dr. G. B. West pointed out the need for a preparation more stable than the present liq. adren. hyd., B.P. He described the use of potassium metabisulphite as an antioxidant, and showed that adrenaline acid tartrate is a more stable and useful salt than the hydrochloride. A solution of adrenaline acid tartrate with 0.1 per cent. potassium metabisulphite (giving a pH of 3.6), together with sodium chloride and an antiseptic, can be sterilised by autoclaving so long as the solution is in well-filled containers; full activity is maintained for at least twelve months. The solution must be protected from light. He forecast such a formula being included in the next B.P.

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Irel, The Chemists' and Druggists' Society of
and of other Chemists' Societies in the Empire

VOL XLV MAY 4, 1946 NO. 3456

Salaries, Wages and Terms

recommended scales of salaries for
al pharmacists adopted by the Joint
iating Committee (Hospital Staffs)
accepted by the Guild of Public
nicians—as one of constituent bodies
Committee (C. & D., April 27, p.
are somewhat in advance of the
encing scales put forward by the
in 1941 (C. & D., 1941. II. 183).
in the light, however, of increases in
ost of living in the intervening five
years they may be regarded as roughly
comparable. It will be immediately ap-
parent to those who have followed wage
ations in other sections of the craft
they are on higher levels altogether
the scales, even after recent advances,
ted by both sides of the Joint In-
al Council for Retail Pharmacy. So
there is any just basis for comparison,
wo scales are compared in the table
at the foot of the page.

what extent do these differences

reflect any genuine inferiority in the status
of pharmacists in shops? Nobody, surely,
will consider that the salaries recommended
to be paid to hospital pharmacists are too
high, for the work of the hospital pharmacist
is responsible and professional. On the con-
trary, all will hope that they will be re-
garded as minimum figures, to be increased
by the more enlightened or more prosperous
hospital authorities. The work comes close
to "pure" pharmacy—in fact, to the
occupation for which the pharmacist under-
went his long and costly training. Not to the
same extent does the shop pharmacist
follow his essential craft, though he has
undergone exactly the same instruction.
Part of the functions of a pharmacist in
retail employ are those (or are presumed by
the negotiators to be those) of an ordinary
shop assistant. To that extent the J.I.C.
scales appear to be influenced by the levels of
wages paid to shop assistants in other
branches of distribution. Since one of the
unions concerned in pharmacy's J.I.C. is a
subsidiary of the shop assistants' union, it
may even be the case that the officials of
that union have congratulated themselves
on securing good rates for at least one
section of their membership. If so, this can
only be because they fail to appreciate the
extent to which professional phar-
aceutical work, with the knowledge and train-
ing that are its prerequisites, enters into the
life of pharmacists in shops—even in shops
where the turnover in dispensing may be
comparatively low. So far as the actual phar-
aceutical work done is concerned, our
experience is that this is often more varied,
and pharmaceutically more exacting, than
hospital pharmacy—as practised, at all
events, in the smaller hospitals. There is, in
retail practice, less use of stock mixtures.
There are also, as a rule, a wider range of

RECOMMENDED HOSPITAL SALARY		N.J.I.C. AGREED SCALE	
assistant pharmacist	£320-400	Qualified Assistant, London (male)	£292 10s.-£318 10s.
pharmacist with number of assistants :		London manager controlling number of full-time employees :	
One	£435-535	Less than three	£344 10s.
Two	£470-570	Three or more	£364
Three	£500-600		
Four	£525-625		
Five	£550-650		

medical preferences and idiosyncrasies to cater for.

We make no criticism on those who have accepted the J.I.C. rates, whether from the employers' or the employees' side. They have to face the realities of the situation, which are that to pay higher wages would, in some instances, render a business unprofitable to the owner, compelling him either to manage without a qualified assistant, or to employ him and end in failure. Either way there would be a loss of employment to somebody.

Two things deserve to be strongly emphasised at the present time, in view of the proximity of the negotiations over remuneration under the National Health Service scheme. The first is that already many employers—probably a substantial majority—pay their qualified staff considerably more than the J.I.C. minimum rates. The second is that, when the scheme comes into operation, there will be far more dispensing to be done in shops than at present. The work of the qualified man in the shop will then be far less like that of a shop assistant and far more like that of the hospital pharmacist. His remuneration should increase accordingly. The terms of remuneration of contractors under the scheme should therefore be negotiated on the basis that they will have to pay these higher rates of pay and not those of present J.I.C. minimum scales. The point is one to which the Negotiating Committee will be well advised to give close attention.

Selected Statistics

A PROFITABLE hour or two may be spent in a perusal of the statistical records published each month since the beginning of this year by the Central Statistical Office (*Monthly Digest of Statistics*, Stationery Office, 2s. 6d.). The figures represent only in the broadest outline the trend of production, trade, finance and so on, but are interesting as a general guide to the country's progress in the commercial sphere.

A comparison of the numbers employed in the distributive trades in January 1946 (the latest available figure) with those engaged in the industry in June 1945, shows that in the months since the end of

the European war these trades absorbed 108,000 persons, but to the pre-war figure of 2,887,000, a further 603,000 persons will be required. The inference that may be drawn from these figures is that unless the intake of workers into the distributive trades is considerably speeded up, the inconveniences inseparable from man-power shortages in shops and similar establishments may remain a source of annoyance for many years.

The "Chemical" Industry

Turning to the group of industries broadly described as "Explosives, chemicals, coke ovens and by-products," it is noted that the number of persons engaged in this employment in January 1946 was 235,900, comprising 144,300 males and 91,600 females. Compared with pre-war figures, the number of females engaged in the industry has more than doubled and the total for males has not significantly increased. In June 1943 workers in industry numbered 466,000, comprising 213,700 males and 252,300 females.

Miscellaneous Goods Production

Little information of value to the trade is given in the section dealing with production of manufactured goods, although much of general interest may be gleaned from a study of these pages. It is noted that in 1945 the monthly average number of tooth-brushes supplied for the home civilian market was 1,500,000 at the beginning of the year, rising to 2,019,000 in the last quarter. Other toilet brushes totalled between 675,000 and 840,000 during the same periods; pre-war figures were: tooth-brushes, 2,100,000; other brushes, 1,400,000.

The most interesting figures in the table devoted to overseas trade are those analysing United Kingdom exports on the basis of the countries to which goods were sent. The latest month given is January 1946, with the following results (totals in £ million): Sterling count, 29.0; non-sterling, 28.1; British, 21.0; foreign, 28.3; North America, 4.8; Australia and New Zealand, 5.8; Europe, 18.9; Africa, 11.4; Asia, 9.9; South Central America and West Indies, 4.6.

CHIEF OFFICIALS OF DRUG AND PHARMACEUTICAL ORGANISATIONS



Mr. R. H. KEMP, Ph.C., F.B.O.A.
Secretary, The Chemists' Friends Association

No. 9. *Specially drawn from life for The Chemist and Druggist*

CHEMISTRY BRAINS TRUST

THE British Association of Chemists (London Section) held a "Chemistry Brains Trust" on April 10. The Question-master was Dr. F. W. Stoyle, and the trust was composed of Mrs. S. M. L. Tritton, M.P.S. (deputising for Mr. F. G. Moore, M.P.S., a director of Herts Pharmaceuticals, Ltd.), Messrs. A. L. Bacharach, M.A., R. Barrington Brock, B.Sc., J. Wilson, M.Sc., and Norman Swindin.

What is a chemist?

MRS. TRITTON said it was certainly the person who got maligned by the public, when really it was the physicist who should be maligned. If it had not been for the chemists, during the war people would not have been so well in health. MR. NORMAN SWINDIN said there was only one person who, by law, was entitled to call himself a chemist, and he was a druggist. MR. A. L. BACHARACH said a chemist had to be a good biologist, a good druggist, a good physicist, "and goodness knows what else".

Does the brains trust agree that the elements of chemical engineering should be included in a chemistry degree syllabus?

MR. BARRINGTON BROCk said he felt that, without some grounding in commercial conditions, one was at a disadvantage in practice, and he had seen several young chemists who had no conception whatever of what went on in a factory. A system of apprenticeship would at least mean that many junior chemists would be less at a loss during the first six months. He also thought, however, that that had something to do with the attitude of the works foreman.

Co-operation Among Chemists

Why is it that chemists do not readily co-operate for their own economic benefit?

MRS. TRITTON thought that perhaps the reason was because chemists did not earn enough. Many believed they were not going to be unemployed and that they had no need to support the unemployment scheme.

MR. WILSON said that probably the main reason why chemists did not join a union was that they were scattered. Chemists could often not afford to make provision for themselves.

What, in the opinion of the brains trust, are the essential requirements, material or otherwise, of a successful chemical consultant?

MR. BACHARACH : First, access to a good library; second, a good board-side manner; and third, an attractive receptionist.

MR. SWINDIN thought a chemical consultant should be free from any for business demands in any way, that should develop a judicial attitude, that should have had a long experience, and he must know a good deal of company and accountancy.

Dietary Deficiencies

What steps should be taken to remedy deficiencies in the diet of the average citizen?

MR. BACHARACH said there was no thing as the "average citizen," otherwise would be so easy. He thought the steps to take would be to give him money, and give him, or his children, a more education. He did not think we were going to be able to change the diet of the individual. Some people could understand the relation between diet and health, which was necessary. If people given enough money it would probably about there would not be very much with their diet.

MRS. TRITTON said that all institutional cooking should be made attractive.

What steps should be taken to impress the layman that science is as much his concern as the more generally accepted activities of commerce?

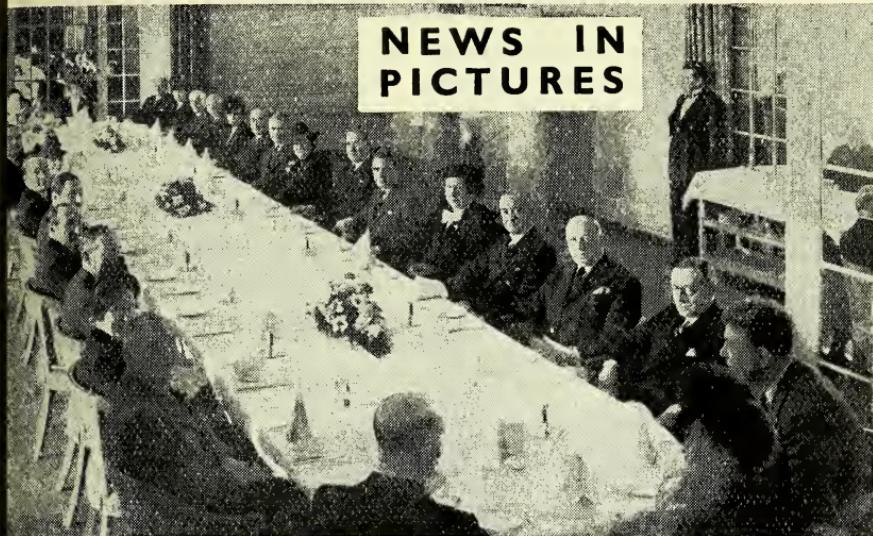
MR. BACHARACH : Four steps: Press, the film, the radio, and exhibition.

MRS. TRITTON said that she thought greater the simplicity in terminology better it would be for the scientist and the layman in getting a scientific on a question.

MR. SWINDIN said that one of the difficult things he knew was to interpret abstruse mathematical or scientific points in common language.

American Index of Scientific Books
The National Research Council of United States Government announced April 15 the publication of a comprehensive index of scientific, medical and technical books published in the United States 1930 to 1944. All the books listed in volume are in print and are available for distribution in the United States and for countries. Distribution is being handled by the United States International Association, New York. The volume contains a selected list of 6,000 titles of technical subjects with annotations summarising contents. The largest number of books listed is in the fields of mathematics, engineering, geology and medicine.

NEWS IN PICTURES



JUN
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LUN
TO PERFUMERY BUYER.—A luncheon in honour of Miss Sadie buyer and manageress of the perfumery department of Fenwick, Ltd., Le-on-Tyne, for the past twenty years, who recently retired, was given in recently by perfumery makers. Mr. C. C. Valli proposed, and Mr. S. Pollitzer d, the toast of Miss Dodds.

RENCE OF REPRESENTATIVES.—Following a transfer of distribution of preparations to S. Maw, Son & Sons, Ltd., the manufacturers, Clinical

Ltd., called a conference with Messrs. Maw's representatives at Richmond.

OF PERFUMERY TRADE.—Mr. Horace Barrett, whose retirement from

manship of J. & E. Atkinson, Ltd., perfumers, was recently announced.



INSTRUCTIONAL MEDICAL FILMS

A Memorandum on the Production of Medical Films by Manufacture the Pharmaceutical Industry by Brian Stanford, M.R.C.S., F.R.P.S.

TEACHING films may be divided broadly into two main groups :—

(a) those made by professional film units, usually the so-called "documentary" units; these are made mostly on 35-mm. stock in monochrome with sound-track, and cost about £750 to £2,000 or more, for, say, a twenty-minute film.

(b) those made by small makers and amateurs; these are made on 16-mm. stock, mostly in colour, and usually without a sound track. They cost £50-£250 or more, again for about a twenty-minute film.

Films within class (a) are usually of a high standard. The present discussion is concerned with the less ambitious type of production in class (b). In the past the 16-mm. medical films have come from two main sources, namely the enthusiastic amateur (usually a surgeon who wanted for a lecture-illustration a record of his special technique, made without reference to other techniques valid in the same field); or manufacturers in the pharmaceutical industry who felt that here was an effective method of disseminating information about their products.

In each category the film, when made, revealed these aims and suffered accordingly. The writer suggests a new approach to the subject which is likely to produce better and more useful films in the future, especially by industrial producers.

Approach to Film-making

When making a film, the first thing to decide is "Who is it for?" Only later need it be decided "What is it about?" and "What is it for?" The argument is a simplification of the larger problem for, as has been stated, this discussion is confined to the less costly films.

(1) "*Who is it for?*" Too many films are made for medical students and doctors, or else, even more vaguely "for medical audiences." This is bad practice; nobody would prepare a lecture as vaguely as that, so how can a successful film be made that way? If you try to cater for a mixed audience, nobody will know where he is; some parts are abstruse to some and elementary to others, and vice versa; the whole film becomes an intellectual morass suitable for no particular curriculum, and the film ends by being projected to branch meetings at the expense of the sponsoring company. It is therefore advisable to narrow down the audience to a single group

(e.g., medical students in their fourth year of training, or general practitioners in their final year of general training) and make it clear that the film is addressed to that restricted audience. It can, in many instances, be shown to audiences for whom it was not intended, since it is made for a definite audience, it will have a direct approach which teachers can recognise; they know what aspects of their particular audience will have been discussed before projection to make it easier for them to add their comments as it proceeds, translating points from the film's approach directly to the appropriate audience. A film planned in this way has a wide demand and can be used all over the country more often than could have been arranged if sent out with the sponsor's representative.

(2) "*What is it about?*" It was appreciated that a film is no longer a novelty and audiences which gather to view a film want to learn facts; they know that a good film can often make clear in a few minutes a subject that is baffling to read about in text books. So, after a decision as to what the film is about, the topics to be taken, other topics should be excluded. Here, again, the most successful films are those which are confined to a cut field of study. If another topic constantly recurs during the course of the film, it is clear that the material is available in two separate films. For those who want to make a film, but do not know what subjects to choose, useful suggestions may be obtained from the medical committee of the Scientific Film Association, 34 Queen Square, London, W.1, who have prepared a list of subjects for films asked for by teaching hospitals.

(3) "*What is it for?*" In this discussion it is assumed that the film is to be a promotional film, intended to draw favourable attention to a manufacturer's products. The two ways of achieving this are :—

(a) The direct method (to say that branded products are better than others). This approach is no longer in favour;

(b) the indirect method, which is to appeal to the audience to infer that the excellence of the film is equalled by the excellence of the products.

Hence, if the film is uncertain, vague, diffuse, or even inaccurate, then the audience infers that the products are not as good as

are claimed to be ; if, however, the film are of first quality, straight to the point and authoritative, it is obvious, by inference, that the products are sound.

There seems to be a feeling, especially in America, that the prestige of a film resides in some sort of way in its length, and that it must be beneath the dignity of a large firm to make a short film ; this is not so. Films, forty-five or more minutes long, which beginning reasonably well with chemistry and pharmacology of a drug (for second-year students) go on to apparatus required for administration (for nurses) and mode of administration (for doctors) and then subside into the "tale of a typical hospital" showing the use, end in complete boredom. The action, usually the longest part of the film, shows ten to twenty odd shots of bits of inverted anatomy, beds on blocks, smiling nurses looking at charts, relatives, an odd child or two, a cup of some bottles, and always a being pushed into a vein ; and then, having ensured that every possible type of audience, from general public up, has had time to interest it, the film ends smugly with a short section on effects of overdosage and toxicity. It is appalling to contemplate the waste of money and energy such films represent, and which could so easily have been put to better purpose. The aphorism for the conduct of a lecture—"stand up, speak up, shut up"—is just as valid for a teaching film.

A Plan for Production

There is an urgent need for several series on basic clinical techniques. These should be short, inter-connected, and related to a common scheme. They should be basic techniques, because they will automatically get a wide showing, but not to say that there is not room for series on specialised subjects as well. From the completed series should be free to individual audience groups, placed on permanent loan in medical libraries which make no distribution charge. The aim would be to establish by common agreement that, when teaching about a disease which may be called, say, "Blanurgy," the series of films constitutes an essential part of the curriculum in any up-to-date medical school. It has thus been made probable that most students in their training will hear of the manufacturer, and forthwith they will associate the name

with an enlightened approach to medicine, and therefore feel that they can trust the products of the concern. If it also happens that the producer of the film makes pills for the treatment of "Blanurgy," that may count against him (in Britain, at any rate) and the films should be non-committal on this point. But if the temptation is resisted and "Blanurgy" is one of the ills for which no cure at all is offered, then all is straightforward.

Suppose the same maker puts another first-class series on, say, "Compagie Technique," it being agreed that "Compages" (whatever a "compage" may be) are not made, then the reputation is established beyond dispute.

Documentary Films in Medicine

THE second bulletin (April) of the Federation of Documentary Film Units, 18 Soho Square, London, W.1, deals with films in health and medicine. In health education, it points out, the functions of documentary film are informational (in factories, schools, among the public, and for more specialised audiences) ; instructional (in training medical students, nurses, social workers, staffs of public health departments and the public) ; and research and record (in laboratory experiments, clinical investigations, surgical operations, etc.). Documentary film-making is carried out under a system of sponsorship, and the provision of health and medical films will continue to depend on the encouragement and finance provided by Government departments, health and social service organisations, industry, local authorities, unions and others, in addition to the initiative of the documentary producers. Research and professional bodies have an important role to play in appraising and cataloguing existing films, and in advising producers on the subjects which need covering and on suitable subject experts. Adequate projection facilities are required in all places of training, in the medical schools and hospitals, in health and welfare centres, in addition to factories, schools, etc. Full knowledge is also essential of the types of films available and where they can be obtained. Systematic appraisal of medical films was begun in 1945 under the auspices of the Scientific Film Association, which has an Appraisal and a Medical Committee, working with the Royal Society of Medicine. Nearly 1,500 films have been examined. A valuable start in co-ordinating the production and use of such films has been made by the S.F.A. Medical Committee, which has

compiled lists of some of the subjects which student teaching authorities wish to have covered by film. They also run a confidential scheme for voluntary notification of films in production. Health and medical films can be obtained from the Central Film Library, the Central Council for Health Education, from the various sponsors and other sources, on free loan or on hire. The Royal Society of Medicine is considering setting up a separate medical film library and has been presented with the Kodak medical film library as a nucleus.

Despite the numbers of films already made, the gaps are still large.

Recent Issues

The scientific Film Association, 34 Soho Square, London, W.1, has issued a "Fourth Handlist of Recent Films of Medical Interest," in which the following titles appear: "Vision at Night"; "An Intro-

duction to Acute Inflammation"; "and Stages of Anæsthesia"; "Open Shock"; "Your Children's Ears"; "Your Children's Eyes"; "Your Children's Teeth"; "Institut Pasteur" (French commentary); "The Story of D.I.Y. Birthday" (difficulties of motherhood in industrial areas of Scotland); "A Beginning" (difficulties of a patient discharged from a sanatorium); "Baby Normal" (people with artificial limbs) and "la Penicilline" (French commentary).

The secretary of the Association pointed out that, in making a film, up to eight months may elapse between preparation and completion. During this interval another authority may unwittingly made advanced plans for another film on the same subject. The Association therefore undertaken to run a voluntary co-ordination scheme designed to minimise the possibility of overlapped effort.

PHOTOGRAPHING ATOMS

In an address on "Towards Atomic Photography" to the Association for Scientific Photography and the Scientific and Technical Group of the Royal Photographic Society recently, Mr. C. W. Bunn, B.Sc., dealt with attempts to take photographic records of atoms.

The direct recording of atoms, he said, would need a form of high-power microscope. The ordinary optical microscope could not give sufficiently high resolving power because even the shortest light waves were much too long to be affected by objects so small as atoms; it was analogous to trying to affect ocean breakers with a rubber ball. The wave-lengths of *x*-rays were short enough, but no form of lens was known which would bend the rays to form an image. The newly-developed electron microscope might provide the answer as, although it had not yet proved possible to record atoms with it, there was no theoretical reason why this should not be done so long as the instrument could be developed to provide rather higher resolving power. Already it has been possible to record ribbons of matter only two molecules thick and another fifty-fold increase of resolving power should be sufficient to record the atoms themselves.

"Fly's Eye" Method

An indirect method of recording atoms had already been devised, and was demonstrated by Mr. Bunn. This was based upon the fact that, although *x*-rays cannot be

bent to form images as can light and electron beams, they do form diffraction patterns, which are a "half-way house" towards the formation of an image; therefore, these patterns can be used to direct rays of white light along the paths, an image of the atoms can be formed in this second stage. Although this was not a direct method of producing the record, it did give a genuine image of the atoms, though it could only be used where there was a regular atomic pattern, as in crystals. There had not been much application of this method, but the reverse method, which was also due to Sir Lawrence Bragg, had proved invaluable. This was known as the "eye" method, owing to the optical system used. In it, a picture was drawn representing the probable arrangement of atoms in a crystal. From this, by means of a pattern of hundreds of pinholes or points resembling a fly's eye, a diffraction pattern was made by monochromatic light which could be compared with the diffraction pattern made with *x*-rays by the original crystal: if the two were identical the atomic arrangement had been correctly deduced. Mr. Bunn showed results obtained with it, including a set used in the deduction of the structure of sodium penicillin.

In a B.B.C. Weights and Measures Quiz: Question: What do three scruples represent? Answer: I've not the slightest idea but they may be equal to at least good intention!

MISCELLANEOUS INQUIRIES

S Siccis Alcoholic.—*W.P.E.*—This is
by soaking 1 drachm of coal tar and
of soft soap in enough methylated
(industrial) to make 2 fl. oz. The
liquid is decanted after two hours.

Ferrous Gluconate.—*H.K.*—This salt was
roduced by Reznikoff and Goebel in
and has largely replaced ferrous
ite in medicine. The gluconate does
precipitate proteins, nor does it liberate
acids by hydrolysis; it is thus
om the irritating properties of the
le. A daily dose of 0.108 gm. gives
verage daily haemoglobin rise of
per cent., whilst a daily dose of
m. of the sulphate gives an average
ise of 1.175 per cent.

Penicillin by Inhalation.—*M.C.*—The
ons in which penicillin is adminis-
ered by inhalation are mainly respiratory
ants (bronchitis, bronchiectasis, etc.)
ugh its use in endocarditis and even
onia is understood to have been
fully adopted in some cases. About
c. of a solution containing 30,000 units
ed in the inhaler, and the patient
for a period of half to one hour,
twice daily. Either an inhaler of
be used with an oxygen cylinder and
tor or a model of the type adver-
ise or inhalation therapy in asthma may
d.

Sweetening Power of Dulcin.—*R.V.K.*—
approaches saccharin in sweetening
3 of saccharin being usually regarded
equivalent to between 3 and 4 of dulcin.
er, the sweetening power of both
rin and dulcin when compared with
varies with the degree of concentra-
Thus in relatively strong solution—
bonding to about 10 per cent. of
the sweetening effect of saccharin
out 200 times that of sugar; on
n, the saccharin solution retains its
ness better, so that, when compared
per cent. solution of sugar the sac-
has approximately 700 times the
ening power of sugar.

Sulphonamides in Mastitis.—*K.B.*—The
sulphonamides for mastitis is not, in
general, satisfactory for pharmacists to
recommend. The success of the treatment
depends on (1) temperature of solution,
concentration of the drug, and (3)
ence of inhibitory substances in the
affected area. Moreover, the drug exhibits
active powers, with the result that it is

successful in some forms but inactive in
others. The latest form of injection is a 10
per cent. freshly prepared aqueous suspen-
sion, which is infused into the quarters by
gravitation. It is not advisable to apply the
treatment in early or suspected cases, and,
in fact, the use of the sulphonamides is
advocated only in clinical cases of mastitis.
Sulphonamides given orally would have to
be given in very large doses, which would
affect the milking capabilities of the
animals.

Hydrophilic Soft Paraffin.—*M.V.*—Soft
paraffin, which is included in many oint-
ments to supply "slip" and smoothness,
sometimes tends to retard absorption of the
medicament. With "hydrophilic" soft
paraffin, this drawback is avoided. The
formula is:—

Stearyl alcohol	30
White wax	80
Wool fat (anhydrous)	150
Cholesterol	10
White soft paraffin	730

Melt together in a water bath, remove from bath
and stir till set.

The product gives excellent results when
used with active ingredients in the following
percentages:—

Boric acid	10
Sulphur	15
Tannic acid	20
Zinc oxide	20
Phenol	2
Chrysarobin	6
Ammoniated mercury	5

"Placebo."—*L.S.C.*—It is true there is
often an unpleasant suggestion in the word
"placebo" and for that reason it is best
not used in the presence of customers.
The word has been adopted to indicate a
harmless and inactive medicine given to the
patient without any expectation of direct
benefit. It came into use in the nineteenth
century, its appearance coinciding with the
beginnings of "scientific doubt" of the
pharmacological value of many of the
medicaments then used. Nevertheless the
placebo has a use that may be regarded as
legitimate. Many patients, if not given
medicine on their first visit to the doctor,
fall victim to doubts as to the ability of the
prescriber. Confidence in the prescriber
is a first essential of successful treatment,
which, in turn, is only possible after accurate
diagnosis, and the interval filled in with a
placebo. In serious and incurable cases
the placebo may even postpone the use of
narcotics or lessen their dosage in painful
conditions.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real names and address to the Editor

Purchase Tax on Medicines

SIR.—As there is a demand from all quarters for the abolition of the purchase tax I hope pharmacist members of Parliament will not be happy until all medicines and goods of medical value are taken off the tax list, as well as surgical appliances.

Yours faithfully,
S. E. A.

Soap Coupons

SIR.—I am offered twice as much soap as I have S.P.3 forms for. Why? Because some of the manufacturers send in supplies in the last two weeks of the eight-week period. Consequently I have not the time to sell eight-weeks' supplies in two weeks, and in the last two weeks most customers have used their coupons. No doubt the difficulty will straighten itself in time, but if manufacturers would let us have our supplies of soap in the first two weeks of the period it would be to their advantage and ours.

Yours faithfully,
Taunton, Somerset. W. VARLEY.

Pharmacists' Release from the Forces

SIR.—We have just read Mr. K. W. Mackay's letter in your issue of December 22, 1945 (p. 693). The opinions expressed there seem both pointed and necessary. The energy expended in securing the release of pharmacists from the services, however great it may have been, is insufficient. The authority concerned in the reallocation of man-power must be made to realise the need for the release of pharmacists is greater than that of printers who are being offered Class B release. Many pharmacists are in a similar position to these Class B releases in that they are not being used in their professional capacity. General practitioners are now being released up to Group 38, and in order that the community may benefit by the release of these medical officers it is essential that a complementary number of pharmacists should be released also. In view of the fact that usefulness to the country is the vital consideration, we consider that, as civilians, we would make a greater contribution to the peace effort than as members of His Majesty's Forces. The war has now been over many months and an additional twelve months' service or more appears unnecessary. The majority

of pharmacists in the services have a demobilisation number and the percentage therefore, relative to the requirement becoming disproportionate.

Yours faithfully,
D. S. PARR
Freetown, J. E. KERRISH
Sierra Leone. D. I. TUDDENHAM
E. CAWS.

Election Tactics

SIR.—There must be many who, myself, are concerned at the lack of interest shown in the action suggested by the Council of the Pharmaceutical Society in urging candidates for election to the Council to stand by such that none of present Council who voted for this aristocratic piece of back-door politics should receive any of the seven votes allowed members. There are other candidates as I do not wish to be thought to be advancing the claims of any one candidate merely put forward, as an old electioneer campaigner, the suggestion that, if you vote for a certain well-qualified candidate to represent your views on the Council, you exercise one vote for him and withhold your other six votes without invalidating your ballot paper.

Yours faithfully,
FIGHTING MAN

INSURANCE DISPENSING ACT

North of England.—Mr. W. H. Ward was elected Chairman, and Mr. W. Richardson, Vice-chairman, at the annual meeting of the North of England Insurance (Prescriptions) Committee, Durham, recently.

Lancashire.—A slight decrease in number of prescriptions priced in £1 compared with the previous year is shown in the twenty-third annual report of Lancashire Prescription Pricing Bureau (4,172,010, against 4,367,596). A report on the checking by the National Pharmaceutical Union of the Bureau's work shows during the months of July to November 1944 a cash error expressed in pence £1 of from 1½d. to 1d. During 1945 the Bureau returned 18,532 prescription chemists for various reasons, the chief which were (a) for maker's name; (b) quantity, size, number, etc., required for net cost; (d) for formula.

OVERSEAS TRADE NEWS

Argentine Sunflower-seed Production.—The official estimate of sunflower-seed production in the Argentine in 1945-46 is 79,000 tons, or 0.6 per cent. below last year's figure.

Sulphonamides in Trinidad.—Trinidad Legislative Council has passed a Bill to regulate the sale of sulphonamide drugs. Attorney-General, moving the second reading of the Bill, said he understood the purpose of those drugs was apt to be dangerous, and the purpose of the Bill was to control their sale and use. The Bill and Regulation, he said, had been referred to the Medical Council and both had their approval.

Swiss Industries Fair.—Progress made during the war years by the Swiss chemical industries will be reflected in their exhibits at this year's Swiss Industries Fair, to be held in Zürich from May 4 to May 14. With industrial production restricted, Swiss chemists and manufacturing chemists developed much of the war period to intensive research and the development of new processes. Many of these will be shown for the first time at Basle.

Brazilian Babassu Exports.—Brazilian exports of babassu in 1945, consisting almost entirely of nuts, amounted to 44,292 tons, at 89,770,000 cruzeiros—a substantial increase over the 1944 figures of 15,863,000 cruzeiros, respectively. Considerable importance is attached to the oil, which is used in the preparation of fats, as a substitute for palm oil, in the manufacture of soaps, and as a lubricant. It is claimed to be superior to coconut oil in some respects.

Sunnah Rosin and Turpentine Market.—Reports dated April 23 state that domestic imports of rosin continued to lag, but demand has grown considerably, though little has actually been shipped due to a lack of licences. However, some licences are likely to be granted soon and it is confidently expected that the export may be increased if stocks pile up excessively when the crop moves to the market. Domestic and export demand for turpentine is mounting daily and at present stripping available supply inasmuch as imports obtained from the new crop are yet reaching the market in sufficient volume to compensate for the low supply caused by the virtual exhaustion of stocks of the old crop.

High U.S. Penicillin Exports.—The U.S. Department of Commerce reports that penicillin exports in March totalled 3,450,000 vials. These shipments, together with 50,000,000 units of other penicillin products, reached a value of \$3,264,644, i.e. three times the value of all drugs and medicines exported in 1938.

Still More Antibiotics.—A New York message states that the development of drugs from wild ginger, a common North American plant, opens possibilities for a new series of antibiotics. Experiments made so far with wild ginger show that it contains two antibiotics which have been named A and B. A was found to be effective against pus-forming gram-positive bacteria.

Penicillin for South Africa.—Large quantities of penicillin are on order from South Africa, but whether they will arrive soon is not known. The position is complicated by the fact that when the United States Government lifted the control on the export of penicillin several months ago it also withdrew the facilities for it to be flown to South Africa. Penicillin now has to come by sea, and the fact that it must be conveyed under refrigerated conditions adds to the difficulty of obtaining shipping space. When the American control was dropped, South African importers were advised to place their orders through ordinary commercial channels, subject to having the necessary essentiality certificates from the South African authorities. At that time, stocks of penicillin in South Africa were considered at least adequate, and holders of such stocks were authorised to sell them without reference to the penicillin committee. At the same time the opinion was expressed authoritatively in Johannesburg that the Union was just about at the end of the period of shortage, so far as penicillin was concerned, and that the supply position would probably improve in the near future. Some chemists suggest it is possible the present shortage of penicillin will continue until about the end of October, and medical practitioners have been asked by the Medical Association to economise as much as possible in the use of the drug. So soon as adequate supplies are received, the restriction will be withdrawn. Importers who hold stocks of penicillin have been notified that no supplies are to be released except for human parenteral use. Chemists have been requested to supply penicillin only against a doctor's prescription.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary according to brand or

28 Essex Street, W.C.2, May 1

BUSINESS has been moving on a moderate scale this week, with a good deal of inquiry for export. The general tone of the markets is steady, but one or two upward price movements are recorded. PHARMACEUTICAL CHEMICALS show few alterations on the week, with business about average. With the exception of a few persistent shortages, the supply position is satisfactory and there are plenty of orders waiting to be filled. A new scale of prices for varying quantities of BISMUTH SALTS, consequent on the recent sharp rise in the metal, is given on p. 573.

Crude Drugs

Business in this section of the markets is proceeding quietly. A good deal of inquiry is being received for the export trade, but in a number of instances goods cannot be found in sufficient quantities to satisfy overseas demands. A good example may be seen in AGAR which will not be available in the requisite amount to meet the world-wide demand until the Japanese industry is restarted; so far as the home trade is concerned, the Empire product is available to meet requirements. Business is reported done in Chinese natural CAMPHOR powder, but until the goods arrive their exact standard cannot be ascertained; offers of the crude product, a pre-war import of considerable dimensions, are also noted. Very quiet conditions are ruling in the markets for CHILLIES and other spices; NUTMEGS are exceedingly scarce. COLOCYNTH PULP is easier on the spot, with a fair quantity available to buyers. GUM ACACIA is dearer as the result of a rise in price in the Sudan. Quotations for Egyptian HENBANE are advanced by 5s. per cwt., following an increase in the shipment price. KAMALA is nominal on the spot in the absence of supplies. A rather higher figure is quoted from Brazil for MENTHOL, but import licences are not available at present; a good transhipment business in 1-lb. tins is noted. Spot stocks of QUILLAIA BARK are very limited, but the price is unaltered. A good deal of Chinese RHUBARB is reported afloat; a firmer price is quoted; reports indicate a lack of SHENSI at the source. Very high prices are now ruling for CARNAUBA WAX.

Essential and Expressed Oils

There will be no changes in the estimated prices of REFINED OILS and imitable ANIMAL FATS during the period April 28-June 22, according to a statement issued by the Ministry of Food. Essential OILS have been featureless with prices repeated.

U.S. Drug Market Report

New York, April 26

AN active demand for DDT is reported while deliveries of BORAX and BICARBONATE OF SODA are falling behind schedule. In two notable exceptions, MERCURY and COD-LIVER OIL, markets display a firm tone. On indications that Spain is making strong efforts to recapture her principal markets for mercury, buyers here are holding off purchases in the hope of further reductions in the quotation on the product. The first deliveries of new PENICILLIN, which does not require refrigeration, have been made, it is learned. Demand for this material is strong with distribution under the control of the Control Production Administration. BARBITURIC ACID, PHENOBARBITONE and the SALICYLATES are still in tight supply despite the termination of the peak season; the situation in the coal industry will, if continued, further aggravate the position. It is believed that cheap offerings of CINNAMON MENTHOL will shortly be made, as consumers are showing little interest in the priced Brazilian product; a further advance in the price of the latter was recorded during the week. The tight SILVER situation has been reflected in a shortage of all derivative salts used in pharmaceutical and photographic products. Prospects for the collection of this year's crop of botanical drugs are gloomy on the long-standing shortage agitated by the attraction of other industries who offer much higher wages. The first vessel reported to have arrived from Italy with goods privately brought quantities of JUNIPER BERRIES, ORRIS ROOT, ARNICA FLOWERS, HYSSOP HERB and COLCHICUM SEED. In the opinion of the trade here, both replacements from European sources will not be hindered by too-high costs as they have been supposed soon after the end of the war. Quotations are reported in line with

ideas in many instances. The Brazilian CARNAUBA WAX reached a high level this week. However, indications that consumers in the United Kingdom are making offers above ideas are likely to result in a tighter development within a month. Deliveries against the new U.S. VANILLA BEAN quota from Ecuador are promised within a few weeks. Supplies have already been purchased and with a poor Mexican forecast, the situation is likely to become extremely tight after the summer. Still lower quotations for Chinese and ANISEED OILS are announced; at \$2.95 and aniseed at \$1.45 are last week's figures. The U.S. government has announced that it will against the customs court decision TRONELLA OIL imported from Ceylon subject to duty. Meanwhile AROMATICS in short supply already will suffer further setbacks because of the soft-strike. Perfume materials such as JASMIN, SYNTHETIC MUSKS, etc., are becoming difficult to locate in any quantity. Larger supplies of perfumes arriving from France add to the difficulties besetting domestic manufacturers.

Pharmaceutical Chemicals

ANILIDE.—In good demand; prices quoted at 2s. 5d. per lb. for powder and for crystals.

ANESTHETIC.—Makers' price remains steady per lb.

ANILINE.—Makers' prices per lb. for the home market are steady. Rates, in quantities of 1 cwt., are as follows (containers in boxes): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d.; 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

ANIT TABLETS.—Makers quote bulk supplies per 1,000 as follows: Under 5,000, 3s. 6d.; and over, 3s. 4d.; 10,000, 3s. 3d.; 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000,

ANISINE.—Home market prices per oz. are: 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d.; 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. 6d.

ANHYDROBROMIDE and METHYLNITRATE. 75s. **BUM SULPHATE, B.P. (x-ray).**—Prices quoted by makers, in 28-lb.-1 cwt. lots, for sales are (containers in brackets): (1-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. 1s. 3d. (14-lb.); 1s. 2d. (28-lb.). net, one month.

ANHYDROBROMIDE.—Ton lots are quoted as follows: Quality, granulated, £38; crystal, £39; £39 10s. Commercial grades, £8 per ton. Packed in one-cwt. bags, delivered and paid in Great Britain, in one-ton lots.

BISMUTH SALTS.—The new scale of prices per lb. for CARBONATE, consequent on the recent sharp rise in the metal, is as follows:—

Quantity	In containers of				
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.
1 lb.—4 lb.	s. d.	s. d.	s. d.	s. d.	s. d.
4 lb.—7 lb.	14 6½	14 0½	—	—	—
7 lb.—14 lb.	13 8	13 7	13 6½	—	—
14 lb.—28 lb.	13 3	13 2	13 1½	13 0½	—
28 lb.	13 0½	12 11½	12 11	12 10	12 9½

CITRATE. 2s. per lb. above; **SALICYLATE.** 6d. per lb. above; **SUBGALLATE.** 4s. 3d. per lb. above; **SUBNITRATE.** 1s. 2d. per lb. below, the prices for carbonate.

BORIC ACID.—Current rates per ton are as follows: B.P. quality, granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards.

BROMIDES.—**POTASSIUM**, in quantities of 28 lb., is quoted at the following rates per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14 lb.); 2s. 10½d. (28-lb.). **SODIUM**, 1½d. per lb. less, and **AMMONIUM** 1d. per lb. more, than above prices. Prices are net without engagement.

BRUCINE.—Current rates per oz. are as follows: **ALKALOID.**—Under 25 oz., 1s. 4½d.; 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. **NITRATE and SULPHATE.**—Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

CHLORAL HYDRATE.—Steady; current prices are as follows: 1 cwt., 3s. 10d. per lb.; 56 lb., 4s.; 28 lb., 4s. 2d.; 14 lb., 4s. 6d.; 7 lb., 4s. 9d.; less, 5s. 3d.

CITRATES.—Prices per lb. for **POTASSIUM**, in quantities of 28 lb.-1 cwt., are as follows (containers in brackets): 3s. 7½d. (1-lb.); 3s. 6d. (4-lb.); 3s. 5d. (7-lb.); 3s. 4½d. (14-lb.); 3s. 3½d. (28-lb.). **FERRI ET AMMON. CIT.**, B.P., 2d. per lb. above; **SODIUM**, B.P., 3d. per lb. below; **POWDER**, 1d. per lb. extra.

CODEINE.—Current prices per oz. for small lots are as follows: **BASE.**—½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. **HYDROCHLORIDE.**—½ oz., 50s.; 1 oz., 47s. 6d.; 2 oz., 46s.; 3 oz., 45s. 3d.; 4 oz., 45s. **PHOSPHATE.**—½ oz., 43s. 9d.; 1 oz., 41s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz., 38s. 9d.

DIAMORPHINE.—Current rates per oz. for small quantities are as follows: **BASE.**—½ oz., 58s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., 53s. 9d.; 4 oz., 53s. 6d. **HYDROCHLORIDE.**—½ oz., 54s. 3d.; 1 oz., 51s. 9d.; 3 oz., 50s. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

ETHYLMORPHINE.—Small quantities are quoted per oz. by makers as follows: **BASE.**—½ oz., 61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 3 oz., 56s. 9d.; 4 oz., 56s. 6d. **HYDROCHLORIDE.**—½ oz., 53s.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 48s. 3d.; 4 oz., 48s.

GLUCOSE.—Powdered monohydrate for the home trade is quoted as follows: 14 lb., 28 lb., in 14-lb. lots, 11*½*d. per lb.; 28 lb., 12*½* lb., in 14-lb. lots, 11*½*d.; in 28-lb. lots, 10*½*d.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): **ALKALOID.**—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). **HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.**—1 oz., 75s.; 4 oz., 7os.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Current home quotations are: **POTASSIUM IODIDE**, B.P.—112 lb., 9s. 3d.; 28 lb., 9s. 9d.; 14 lb., 10s. 3d.; 7 lb., 11s. 9*½*d.; 4 lb., 12s. 3*½*d.; smaller quantities, 12s. 9d. per lb. **SODIUM IODIDE**, B.P.—28 lb., 10s. 2d.; 14 lb., 10s. 8d.; 7 lb., 12s. 5*½*d.; 4 lb., 13s. 1*½*d.; smaller quantities, 13s. 1*½*d. **IODOFORM**, B.P.—28 lb., 13s. 4d.; 14 lb., 13s. 1*½*d.; 7 lb., 16s. 0*½*d.; 4 lb., 16s. 1*½*d.; smaller quantities, 17s. 8d. **IODOFORM CRYSTALS.**—2s. per lb. above powder prices. **IODINE RESUBLIMED**, B.P.—112 lb., 10s. 8d.; 28 lb., 11s. 2d.; 14 lb., 11s. 8d.; 7 lb., 13s. 5*½*d.; 4 lb., 14s. 1*½*d.; smaller quantities, 14s. 1*½*d.

LACTATES.—Prices are as follows: **LACTIC ACID.**—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. **CALCIUM LACTATE.**—Small quantities, 2s. 5d. per lb. **CALCIUM SODIUM LACTATE.**—Powder, small lots, 3s. 7d. per lb.; 14 lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

MAGNESIUM CARBONATE, HEAVY.—Home market prices per lb., in lots of 28 lb.—1 cwt., are as follows (containers in brackets): 1s. 7d. (1-lb.); 1s. 5*½*d. (4-lb.); 1s. 4*½*d. (7-lb.); 1s. 4d. (14-lb.); 1s. 3d. (28-lb.). Prices net, one month.

MAGNESIUM CARBONATE, LIGHT.—Prices per lb. for the home market, in quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 1s. 4d. (1-lb.); 1s. 2*½*d. (4-lb.); 1s. 1*½*d. (7-lb.); 1s. 1d. (14-lb.); 1s. (28-lb.).

MAGNESIUM TRISILICATE.—Prices per lb., current in the home market, in quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 3s. 9*½*d. (1-lb.); 3s. 8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6*½*d. (14-lb.); 3s. 5*½*d. (28-lb.).

MANDELATES.—Makers' quotations are unchanged. **SODIUM and CALCIUM.**—4 oz., 8 oz., and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb., net. **AMMONIUM** (50 per cent. solution).—4 oz., 8 oz., and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9*½*d.; 7 lb., 9s. 1*½*d.; 14 lb. (in 7-lb. packages), 8s. 11*½*d.; 28 lb. (in 7-lb. packages), 7s. 11*½*d. per lb., net. Packages are charged extra and should be returned promptly.

MANDELIC ACID.—In good demand. Current quotations are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYL SALICYLATE.—In good supply. Smalls are quoted at 2s. 6d. per lb.; winchesters at 2s. 1*½*d.; 56 lb., in demijohns, 2s.; 1 cwt., in

demijohns or carboys, 1s. 11*½*d.; 5 cwt., 1s. d. All prices net.

PHENOLPHTHALEIN.—Unchanged at the following prices: Less than 7 lb., 4s. 8d. per 7 lb., 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 1 cwt., 4s. 4d.

POTASSIUM PERMANGANATE.—Current are as follows: B.P. (in 1-cwt. drums), 1 and over, 1s. 8*½*d. per lb.; 3 cwt. and 1s. 8d. **TECHNICAL** (in 1-cwt. drums), 1 and over, 166s. 3d. per cwt.; 3 cwt. and 161s. 9d.; 5 cwt. and over, 159s. 3d.; and over, 156s. 9d.; 4 tons and over, 154 **TECHNICAL** (in 5-cwt. drums), 5 cwt. and 156s. 9d. per cwt.; 1 ton and over, 154s. 4 tons and over, 152s. Terms net, carriage paid station, containers extra and return

TERPINEOL.—Pure medicinal quality be obtained at from 3s. 3d. to 4s. per according to quantity.

Crude Drugs

AGAR.—A good deal of export inquiry being received but supplies are not available to meet this demand. Empire produce appears to be catering adequately for the home but Japanese would be required to meet worldwide needs.

ANTIMONY.—Demand continues to e supplies. Prices are unaltered as fol Minimum 99.6 per cent. regulus, £132 per ton; minimum 99 per cent.; 170 per cent. crude, for the home trade, per ton, delivered.

ARECA NUTS.—Dealers continue to spot goods at the unchanged price of 75s. per cwt.; shipment remains at 55s., c.i.f.

BALSAMS.—*Canada* is quite firm on the spot at 13s. 6d. to 14s. per lb.; *Peru*, slightly unaltered at 8s. 3d.; *Tolu* and *Copaiba* are unobtainable.

BISMUTH.—High-grade metal is unchanged at 9s. per lb., in minimum 5-cwt. quantities.

BUCHU LEAVES.—In small compass or spot at 5s. per lb.

CAMPHOR.—It is understood that all supplies of synthetic material have now been distributed. Some business has been done in Chinese powder, on the basis of B.P. quality, at 10s. per lb., afloat. Offers are reported from China of crude, 90 per cent., at 7s. per lb., f.o.b. There are also suggestions of Japanese camphor from China for which a price of 12s. per c.i.f., has been mentioned, but it is not known if this material will be freely available.

CARDAMOMS.—Scarce and firm. Al seed, spot, 8s. 6d. per lb.; Aleppy green, 7s. 6d.; Mangalore heavy, 7s.

CHAULMOOGRA.—*Hydnocarpus* is currently quoted on spot at 2s. per lb., in tins in case.

CHILLIES.—Quiet with sellers of Mom at 150s. per cwt., spot.

CINNAMON.—Chips, in small compass or spot, 2s. 2d. per lb.; quills are unobtainable.

S.—Zanzibar quoted on spot at rs. rd. shipment, 9*d.* per lb., c.i.f., buyers'

NEAL.—Spot price of silvers and remains at 5s. 6d. per lb.

BUTTER.—Official price is unchanged *d.* per lb., ex factory or warehouse, under licence.

SYNTH.—Easier. Fair white pulp may stand on spot at 2s. 6d. per lb.

DALIS LEAVES.—Business is negligible. Portuguese, spot, 140*s.* per cwt.; English, 6*s.* per lb.

ACACIA.—Owing to a rise in price in Sudan, spot is now quoted dearer at 1*cwt.*, for Kordofan cleaned sorts; 1, 145*s.*; cleaned Talha, 42*s.* 6*d.*

HANE.—Egyptian (*moticus*) is dearer for import, making the spot price 90*s.* per cwt. Leaf is unchanged at 25*s.* per cwt.

JAS.—Material testing 12 per cent. would be valued at 3*s.* 3*d.* per lb.

KALA.—Nothing on the spot. Price at 3*s.* per lb.

YA GUM.—Indian No. 1 gum would be on spot at 210*s.* to 215*s.* per cwt.

NUTS.—Spot prices unchanged; business quiet. African quarters, 8*d.* per lb.; halves, 6*d.*; Jamaican washed halves,

HOL.—The price from Brazil is rather at 30*s.* per lb., f.o.b., but as no licences available, little interest is being taken.

transhipment business in 1-lb. tins from s reported at 32*s.* 6*d.* per lb., f.o.b. Spot, duty paid, is unchanged at 30*s.* 6*d.* per lb., according to quantity.

Other information has been received regarding the Chinese product.

MERCURY.—Prices are controlled by the of Mercury (No. 11) Order, 1945 (S.R. 945; No. 1129) (C. & D., October 13, 388).

LEGS.—In exceedingly poor supply. ons are: West Indian 80's, 4*s.* 6*d.*; sound unassorted, 4*s.* 3*d.*; wormy broken, 4*s.*

VOMICA.—Spot quotations for Cochin ready at 45*s.* per cwt., and those for ore at 37*s.* 6*d.*

PEPPER.—Whole, not picked over or cleaned, to processors, is officially priced at rs. 4*d.* for white pepper and rs. per lb. for epper.

NETTO.—Spot sellers at rs. 3*d.* per lb.; net, 122*s.* 6*d.* per cwt., c.i.f., buyers'

LAIA BARK.—Supplies are very limited. 1, 110*s.* per cwt.; cut, 130*s.* ex ware-

BARB.—Reports indicate a fair quantity but progress is slow. Latest quotations gh-round stand at 11*s.* to 12*s.* per lb.,

c.i.f., a firmer price than that quoted last week. Orders sent out for Shensi at 13*s.* 6*d.* to 14*s.* per lb. brought back the reply that no supplies are available.

SEEDS.—Inquiry for imported seeds is not important; spot prices show no change on the week. **FENNEL.**—Available at 175*s.* per cwt. **FENUGREEK.**—Steady at 85*s.* **DILL.**—Indian, unchanged at 90*s.* to 95*s.* **CORIANDER.**—Moroccan may be had at 165*s.*

TRAGACANTH.—Spot price of selected grades is firm at £160 per cwt., with supplies scarce. Medium grades are quoted as follows: No. 1 white, £145 per cwt.; No. 2, white, £125; No. 3 white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Spot quoted at 100*s.* per cwt., ex Liverpool. For export only, 85*s.* per cwt.

VALERIAN ROOT.—Belgian root continues to be quoted on spot at 28*s.* per cwt.

WAXES.—Sharp advances are noted in **CARNAUBA.** Current rates are as follows: Fatty grey, spot, sellers at 1,050*s.* per cwt.; chalky, 1,030*s.*, nominal; prime yellow, 1,200*s.*, nominal; shipment, fatty grey, 950*s.*, nominal; prime yellow, 1,075*s.*, nominal.

BEES'.—Quoted on the market as follows: Dar-es-Salaam, spot, 330*s.* per cwt.; shipment, 310*s.*, c.i.f.; Benguela, 275*s.*, c.i.f.; Abyssinian, 280*s.*, c.i.f.

OURICURI.—Spot, nominal; to arrive, 620*s.* per cwt., c.i.f., 7 per cent. basis.

CANDELILLA.—Spot, nominal; shipment, 465*s.* per cwt., landed terms.

Essential and Expressed Oils

CASTOR.—Official quotation for bulk supplies of "first" is £82 per ton, and that for "seconds," £80, both naked ex works.

CLOVE.—English distillers of bud oil continue to quote at approximately 13*s.* per lb.

COCONUT.—The following are the fixed prices for bulk quantities: Crude, £49 per ton; refined deodorised, £49; refined hardened deodorised, £53.

COTTONSEED.—Official quotations are as follows: Crude, £52 2*s.* 6*d.* per ton; washed, £55 5*s.*; refined edible, £57; refined deodorised, £58, naked ex works.

GROUNDNUT.—Bulk supplies are officially quoted as follows: Refined deodorised, hardened to 40°, £62 per ton; refined deodorised, hardened to 50°-52°, £63.

LINSEED.—Crude, £65 per ton for bulk supplies, naked ex works.

NUTMEG.—Based on the present price of nutmegs, this oil would be worth from 70*s.* to 75*s.* per lb.

PALM KERNEL.—Bulk supplies are officially priced as follows: Refined deodorised, £49 per ton; refined hardened deodorised, £53, naked ex works.

TRADE MARKS

(From "The Trade Marks Journal,"
April 10)

- "DITHANE"; for insecticides and fungicides (5). By Rohm & Haas Co., 222 West Washington Square, City of Philadelphia, Pennsylvania, U.S.A. 635,939.
- "AGROCIDE"; for weed-killers and insecticides (5). By Plant Protection, Ltd., Yalding, Kent. 637,180.
- "CHYLLAX"; for laxative preparations (5). By Godfrey Thornfield, 28-32 Fortress Road, London, N.W.5. 637,364.
- "SEDA SELTZER"; for pharmaceutical preparations for use in making seltzer water (5). By R. Demuth, Ltd., 68 Salisbury Road, London, N.W.6. 637,652.
- "VITALONIC"; for poultry tonics and medicines (5). By Stirling Chemical Products, 9 and 11 Mill Street, Ballymena, co. Antrim, N.I. 638,104.
- "LAPUDRINE"; for all goods (5). By Imperial Chemical (Pharmaceuticals), Ltd., Wexham Road, Slough, Bucks. 638,285.
- "ULESEPTONE"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 638,589.
- "HENOVIS"; for balling guns for administering medicines in tablet form to animals (10). By Imperial Chemical (Pharmaceuticals), Ltd., Wexham Road, Slough, Bucks. 638,706.
- "PERMOID"; for pharmaceutical preparations and substances, disinfectants, antiseptics, surgical bandages and dressings, sanitary towels, wadding for medicinal use, medicated wool, bath salts for medicinal purposes, distilled water, pocket medicine cases (fitted) (5); for combs, brushes, toilet powder blowers and sprayers, shampooing syringes, toilet sets, vaporisers for liquids for perfumery, cosmetic utensils, nail polishing implements, shaving pots, toilet spray producers (21). By Permoid, Ltd., 56 Clerkenwell Road, London, E.C.1. 635,388 and 635,393 (Associated).
- "PHOENIX"; for shaving brushes (21). By Thos. Christy & Co., Ltd., Oast House, Bear Lane, Farnham, Surrey. 637,687.
- "PRONG"; for traps for flies, insects and vermin (21). By Alcock Manufacturing Co., 4-8 Argyle Street, Birkenhead, Cheshire. B638,180.
- "ATOMEX"; for shaving brushes (21). By Fuldex Brush Works, Ltd., 69 Jeddo Road, London, W.12. 639,261.

(From "The Trade Marks Journal,"
April 17)

- "STOREX"; for preservative preparations for shell eggs (1). By Hermann Carl Fleischer, 92 Regent Street, London, W.1. 634,313.
- "SOLUFEE"; for chemical products used in agriculture, horticulture and forestry (other than insecticides, fungicides and weed killers), manures (1). By Plant Protection, Ltd., Yalding, Kent. 638,976.

- "MAPIC"; for chemical products used in agriculture, horticulture and forestry (other than insecticides, fungicides and weed killers), fertilisers (1). By B. R. Gla 2 Square Emmanuel Chabrier, Paris. 6312
- "PLATINE"; for toilet preparations (medicated), perfumes and perfumed soaps (1). By Financiera de Perfumeria S.A., Av A, No. 20, Panama City, Republic of Pan 6312
- "PARACREME" on oval device with the words "The Super Hair Dressing" and monogram "CTS"; for toilet cream (not medicine) for the hair (3). By Catford Toilet Supplies, 127 Catford Hill, Catford, S.E.6. 6364,020.
- "NUAGES"; for liquid perfumes (3). Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, 20 rue de la Paix, B637,286.
- "CHYLLAX"; for perfumes, cosmetics and toilet preparations (3). By Godfrey Thornfield, Fortress Grove, 28-34 Fortress Road, London, N.W.5. 637,363.
- "XOLO" and "TESSOLO"; for ammonia powder for household use (3). By Laboratories, Ltd., 103 Walmer Road, London, W.10. 638,088-89 (Associate).
- "STRAWHAT"; for perfumes (3). By S. Rubin, 240 Madison Avenue, New York U.S.A. 638,461.
- "POLYKRESTOS"; for soap, detergents, etc. By Polysulphine Co., Ltd., Bitton, Keynsham, nr. Bristol. 638,652.
- "RELEASE"; for toilet preparations, cosmetics and perfumes (3). By Coty (England), 3 Stratford Place, London, W.1. 638,581.
- "BELLSITE"; for medicinal preparation. By Charter Chemicals, 40 Charles Street, Cardiff, Glam. 635,417.
- "CONSECTROL"; for insecticides (5). J. H. Warr, 5 Court Farm Road, Horsham, Sussex. 637,859.
- "HEINZ 57 VARIETIES" with device of glass (device disclaimed); for infants' and invalids' foods, dietetic foods (5). By Heinz Co., Ltd., Waxlow Road, Harlesden, N.W.10. 638,583 (Associated).
- "VLON"; for all goods (5). By Imperial Chemical (Pharmaceuticals), Ltd., Weald Road, Slough, Bucks. 638,858 (Associated).
- "ROHSEM"; for medicinal and pharmaceutical preparations and substances (5). By Rohsem, Lee-Narvill & Co., Ltd., Anlaby Hull. 638,957 (Associated).
- "PROTODIN"; for all goods (5). By Laboratories, Ltd., 891-995 Greenford Lane, Greenford, Middlesex. 639,070.
- "MINOPHOS"; for pharmaceutical preparations (5). By Ayrton, Saunders & Co., 34 Hanover Street, Liverpool. 639,094.
- "PERLINGUINE" and "TRINISILBINE"; for pharmaceutical substances and preparations (5). By Silten, Ltd., 14 Weedington Lane, London, N.W.5. 639,210-11.
- "DIG DAG" in circle; for brushes (21). Frankland Bros., 2 Union Street, Blackpool, Lancs. 637,930.

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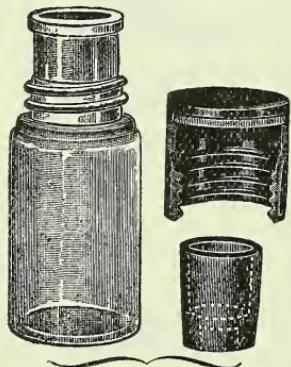
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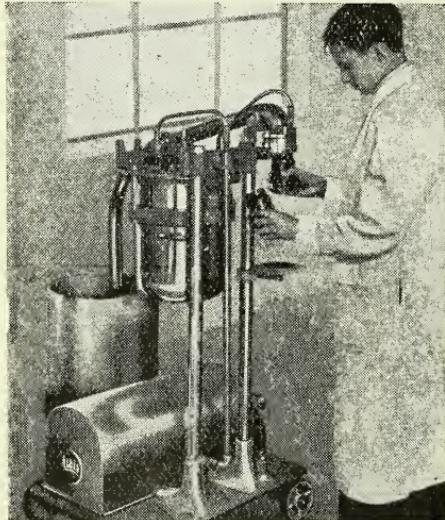
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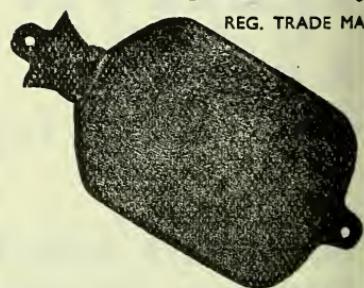
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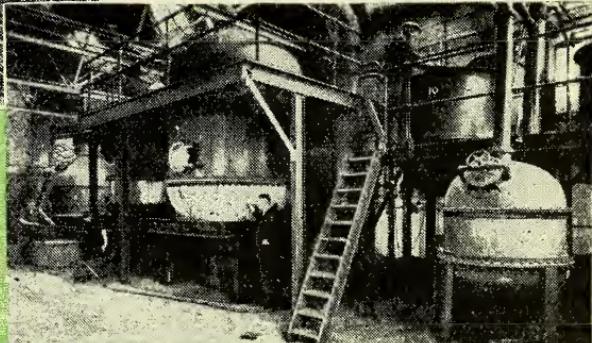
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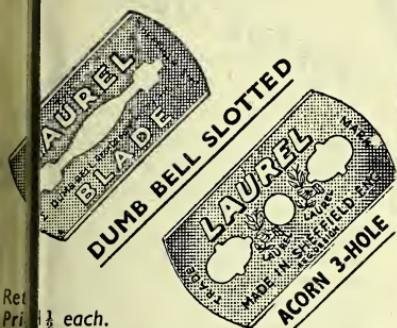
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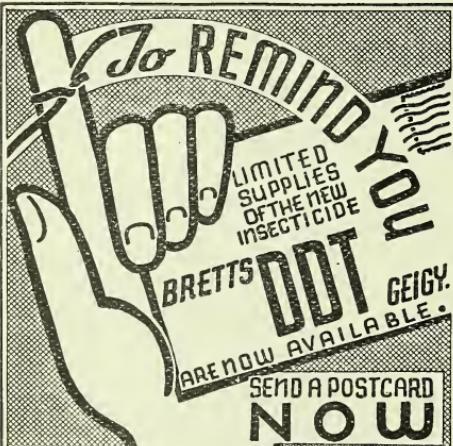
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The public are being told repeatedly that their supplies of soft drinks depend upon the immediate return of empty S.D.I. bottles. Unless YOU and all retailers accept empties whenever offered, the bottlers will be unable to maintain the existing quotas of soft drinks.

**PLEASE ACCEPT ALL S.D.I. EMPTIES AND
RETURN THEM TO YOUR SUPPLIERS**

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To THE TRADE

We are able to offer the advantage of many years experience in all branches of Toilet Preparations manufacture, particularly on special Formulae for overseas markets.

*If you have a problem,
Let us advise you.*
FORMULÆ SUPPLIED IF REQUIRED
We may be able to improve your production also,
Write now to:—

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O F F E R

D.D.T. Undiluted and Powders
Yellow Beeswax B.P.
Aspirin Powder and Tablets
Hydroquinone, Anhydrous Lanoline B.P.
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BOTTLES. Opportunity arises for firms interested in purchasing $\frac{1}{2}$ -oz. and 1 oz. Cannon bottles cork mouth deliveries to commence July, regular quantities available. No restriction as to usage, for home or export trade. Only those Companies willing to place firm orders now so as to secure deliveries should write giving approximate weekly or monthly requirements and maximum prices able to pay. Box 967/167 C. & D. Office

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★ HIGHEST QUALITY ★

All Grades—Powder, Leaf, Sheet.
In Bulk; also 7, 14, 28 lb. Tins and Bags.

Special packing for Export

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(BRIGHT FINISH and CADMIUM FINISH)
GOOD CUTTING EDGE

Send your orders to:—

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A FURTHER 5000 GROSS

2-OZ. SQUAT JAR

(amber only)

ARE NOW AVAILABLE

Screw caps made in any colour to customers' requirements.

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Ethyl,
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FRENCH LABORATORY manufacturing COLLOIDAL

HYDROXIDE OF ALUMINIUM for gastric
intestinal diseases, requires exclusive representation
eventual partnership, for England and Dominion.

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invite enquiries for processing,
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Plated Metal Hair Curlers, actual price 3d. each gross.

AIMEE ROSE Face Powder, 3/10 size, 96/- per gross (pre-war) packing.

JEAN CLAUDE shampoos, 7½d. retail, 25/- per gross.
Babies' Rattles, beautifully made in Plastic, each packed separately in cellophane, three colours—white, blue, pink, marvellous line, 27/- per gross.

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The CHEMIST AND DRUGGIST

SUPPLEMENT

Supplement is included in every copy of
Chemist & Druggist

28, ESSEX STREET, LONDON, W.C.2

MAY 4
1946

CLASSIFIED SUPPLEMENT ADVERTISEMENTS

classified advertisements must be prepaid—those not accompanied by remittance will be held over pending payment. Advertisements received after FIRST POST WEDNESDAY of week of issue will not be inserted until the following week.

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ENCIES, PATENTS,
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for 36 words or less,
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A SHTON-UNDER-LYNE CO-OPERATIVE SOCIETY, LIMITED. Manager, male or female, recently qualified preferred. Comfortable, easy hours. No Sunday or holiday duties. Permanent position.

A QUALIFIED Chemist required. Management. Also Senior Unqualified. West-End Pharmacy. Applications to 968/195, C & D. Office.

BENTALLS, LTD., of Kingston, have vacancies for Pharmacist and Unqualified Assistant (either sex) required for dispensing and counter. No Sunday or holiday duty. Apply Staff Controller.

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CHEMISTS' Assistants (ladies) wanted for Clerical work in the N.H.I. checking bureau and stock pricing departments. Apply: National Pharmaceutical Union, 4/5 Queen Square, W.C.1.

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EASTBOURNE. H. R. Browne requires a Qualified Assistant. Single. Suit recently qualified with good experience. State salary, enclose photograph if possible. Apply 44 Cornfield Road, Eastbourne.

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on a commission basis to start
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EFFERVESCENT ANALGESIC ALKALIZING TABLETS

Apply by letter only stating
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Sole Distributors
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KENT. Stonham & Son, Ltd., have vacancies for Branch Manager and Unqualified Assistants (both at Maidstone). Particulars of age, experience and salary required to V. Ross, M.P.S., Stonham & Son, Ltd., 70 Bank Street, Maidstone.

LONDON, N. Competent Dispenser required at once. Either sex. Family business. No Sunday duty. Permanency. Please give usual particulars and salary desired to Geo. B. Daniel, 272 High Road, Wood Green, N.22.

LONDON CO-OPERATIVE CHEMISTS LTD. have several vacancies for experienced Pharmacists in various parts of the London area. To suitable applicants the vacancies offer considerable prospects. Application in the first instance to Superintendent Chemist, 54 Maryland Street, Stratford, London, E.15.

NORTH LONDON. Pharmacist required to manage branch in busy shopping centre. Must be good at display. Plenty of scope. Apply stating salary required and giving full particulars to 966/114, C. & D. Office.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring Situations, except women between the ages of 18 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

PHARMACIST. Lady or Gentleman, required in Dispensing Dept. Apply, with full particulars, experience, salary required and testimonials to Managing Director, Philip Harris, Ltd., 144 Edmund Street, Birmingham.

P. JEYES & CO., LTD., Wholesale and Retail P. Chemists with several branches have a vacancy for a young Qualified Assistant for retail pharmacy. Permanency, with good prospects. Full particulars in first letter to P. Jeyes & Co., Ltd., 8 The Drapery, Northampton.

QUALIFIED Pharmacist as Temporary Branch Manager. No Sunday or half-day holiday duties. Apply by letter, giving full particulars to Superintendent Chemist, Dewsbury Pioneers' Industrial Society Ltd., 41 Northgate, Dewsby.

QUALIFIED Manager required for shop in W.C.1 area; living accommodation at present not available. Salary and commission with view to succession. Under 40 and recently demobbed preferred but not essential. James Dawe & Co., Ltd., 196 Kings Cross Road, W.C.1.

QUALIFIED Manager required for London, E.3, Q pharmacy. Living accommodation available over shop premises. Suit newly-married pharmacist. Write, giving usual particulars and references, to Shadforth Prescription Service, Ltd., Mitre Works, Cordova Road, London, E.3.

QUALIFIED Permanent Branch Managers required Q in June (a) For clean N. Wales colliery village; with modern house in pleasant locality in Wrexham; (b) For residential village a few miles from Wrexham; house attached, premises in delightful country district. Please submit full particulars on application, stating salary required. Holiday Relief Managers also required—mid-May to October. 966/127, C. & D. Office.

ROYAL ARSENAL CO-OPERATIVE CHEMISTS LTD. require an Unqualified Assistant for their Woolwich Branch. Good salesman and sound knowledge of photography essential. Apply in writing stating age and experience, also salary required, to the Staff Manager, Royal Arsenal Co-operative Chemists Ltd., 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy."

SHEFFIELD. Urgently required, Manageress (or Manager) for West-End Branch doing a good-class family trade. J. Preston, Ltd., 208 West Street, Sheffield, 1.

UNQUALIFIED. Wanted, energetic assistant with thorough knowledge of dispensing and counter work. Reply stating experience and salary required to W. Bates & Co., Ltd., 25 Oxford Street, Southampton.

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YOUNG Pharmacist required for busy town in process of extension. Pleasant working conditions and short hours. Apply by letter usual details to Mr. J. Lomax, Lomax Ltd., 2 Deansgate, Manchester.

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KENT. Locum Tenens required for twelve Branch Holiday Relief. Branches at Maidstone, Tonbridge, Tunbridge Wells. Apply V. Ross, Stonham & Son, Ltd., 70 Bank Street, Maidstone.

PHARMACIST required for locum work in several branches in the Bournemouth Dorset Areas. Accommodation can be arranged generous terms. Congenial work with good Write 967/150, C. & D. Office.

PHARMACIST required for locum work for branches in the East Anglia and Essex. Accommodation can be arranged; generous Congenial work with good staff. Write 967/149, C. & D. Office.

PHARMACIST required for locum work for branches in the Gloucester Area. Accommodation can be arranged; generous terms. Congenial work with good staff. Write 967/149, C. & D.

RELIABLE Locum wanted for fortnight remencing June 24. Night dispensing counter provided for. Wallis Jones, F.I.M.P.S., Hinchley Wood, Esher, Surrey.

TIMOTHY WHITES & TAYLORS have vacancies in London and South of England for Locums to undertake holiday locum duties. Short periods, on satisfactory terms can be arranged to suit times available. Please apply stating preferred to Retail Staff Manager, 79 Vauxhall Road, S.W.1.

RETAIL (OVERSEAS)

BRITISH COLONY. Qualified Chemist, qualification preferred, required for permanent position with old-established British firm's or in West Africa. Service agreement providing twenty months' tenure, four months leave on full salary commencing including special allowance £425 per annum, increasing per cent on re-engagement to maximum £765 per annum. Low income contributory pension scheme in operation. accommodation provided free, first-class passage paid outward and homeward. Application full particulars, also copies of testimonial recent photograph. 967/150, C. & D. Office.

OVERSEAS Employment, Qualified Pharmacist required for Kenya. Five years minimum service. Salary commencing £45 month increasing annually passage paid out. Written applications (1) Full name; (2) Date of birth; (3) Whether married or single, if married, how many children; (4) Medical grade if known; (5) If discharged from the Forces, particulars of Service number, unit and reasons for discharge; (6) Qualifications and experience; (7) Name and address of present employer; (8) Details of present work. Be sent to W. A. Sparrow & Co., Ltd., 65 L Wall, London, E.C.2.

WHOLESALE

EXPERIENCED Shorthand-Typist required for Editorial Department of THE CHEMIST AND DRUGGIST. Applications by writing or by telegraph to Central 6565—Morgan Brothers (Publishers) 28 Essex Street, Strand, London, W.C.2.

TS required in many counties in Great Britain. High commissions on first-class lines to men with good connexions. Full details to C. & D. Office.

TS with good connexions covering Chemists, opticians, etc., to carry additional competitive sunglasses, Compacts, Cigarette Cases, Fancy, etc. Immediate delivery 10% Commission. C. & D. Office.

N & HANBURYS LTD. require a young pharmacist residing in the London area as in Export Department. Sound technical energy and good commercial sense are required. A knowledge of one or more European languages is desirable. Apply to the Personnel Allen & Hanburys Ltd., Bethnal Green, E.2.

JULES and Hypodermic Tablets. Qualified chemist wanted by London Manufacturing Write, quoting references, and with details experience and salary required to 967/161, Office.

TICAL Laboratory Assistant required. B.Sc. or Inter-Sci. Standard, exempt from service. Apply stating age, experience and required to Chief Chemist, 46 Southwark Street,

LL-KNOWN British firm of manufacturingists, marketing medical specialities throughout world, have a vacancy for a pharmaceutical or bachelor of pharmacy, to take charge of pharmaceutical research and development. An additional degree in chemistry an advantage. Applicants must have an knowledge of pharmacy as well as practical experience in the formulation of ethical pharmaceuticals. Salary commensurate with hours and experience. 968/182, C. & D.

URGH. Unqualified Chemist or Laboratory assistant with some experience, required by firm of foodstuffs manufacturers to assist in the development of new lines. 967/164, C. & D. Office.

MEDICAL SUPPLIES LTD. require an Analyst of Ph.C. or A.I.C. standard work in the Pharmaceutical Laboratory according to qualifications and experience. Manager, Evans Pharmaceutical Laboratory, Fleet Street, Liverpool, 1.

ENCED Tablet Maker required to take charge of Department for well-known N.W. ring Chemists. Must have good knowledge essing and coating. Permanent position lent prospects. 968/200, C. & D. Office.

T Manager, £500 per annum plus com- mon on turnover. Considerable export already established, but large-scale expanded, enormous stocks for prompt despatch. sole export agencies. Send full details of age, qualifications, etc. 965/993, C. & D.

LTD. require a first-class representative in Birmingham area. Permanent career for experience, knowledge and ability on salary, and expenses. Apply in writing giving of career to date. We regret we cannot complete application, but all letters will be Koray House, Hanover Square, London,

REQUIRED to take charge of the manufacture of food beverages and confectionery and packing of chemists' sundries. requiring experience an advantage but not essential. Ample opportunity for energetic man. Miller & Co., Ltd., Leyland Mills, Wigan, required by small laboratory in Cuffley Street to supervise ampouling and capsuling using of doctors' prescriptions. £400 p.a. applicant considered. 965/995, C. & D.

NORTHERN Manufacturing Chemists require the services of a Pharmacist for testing B.P., B.P.C. and own manufactured preparations. Reply in confidence, stating age, experience and salary required. 967/155, C. & D. Office.

PROGRESSIVE London Chemical Manufacturers have vacancy for experienced representatives in the Scottish, Yorkshire and London areas. Applications are invited giving full details of experience and qualifications. 968/192, C. & D. Office.

QUALIFIED Chemist as working Manager for Wet Laboratory of Lancashire Manufacturing Chemists. Very sound, well-paid post offering excellent prospects to responsible active man. Applicants should not be over 35 years of age and, preferably, have experience of medium to large scale manufacturing operations. 968/199, C. & D. Office.

REPRESENTATIVE for Northern Ireland required by distributors of nationally advertised Toilet Products and Chemists' Sundries. 966/132, C. & D. Office.

REPRESENTATIVES required for London, Southern Counties, Midlands, Wales, Northern Counties and Scotland, to handle good selling toilet preparation on commission basis. Reply stating lines at present handled, territory covered, age, and whether possess a car. Excellent opportunity and sales guaranteed. 967/138, C. & D. Office.

REPRESENTATIVES required on commission in various counties by the manufacturers of Medicated Tablets and Pharmaceutical Preparations. Must have established connexions with the wholesale and retail Chemists. Reply with fullest details. 968/169, C. & D. Office.

REPRESENTATIVE required for the sale of Sun Glasses. Liberal commission. 968/187, C. & D. Office.

REPRESENTATIVES required by firm of manufacturers of pharmaceutical products. Good opportunity for those with connexion to increase considerably their income with these good repeating lines. Details of territory covered. Replies to 968/188, C. & D. Office.

TABLET Coater required by Midland Manufacturing Chemist. Write stating age and experience to 632/749, C. & D. Office.

UNQUALIFIED for small Factory. Manufacturing experience not necessary. Harman Dietetic Laboratories, Ltd., 109 Cricklewood Broadway, London, N.W.2.

WELL-KNOWN Company manufacturing leading Proprietary Toilet and Medicinal products require first-class Representative for Cheshire and North Wales. Applicants must be resident on the territory and have a good chemist connexion. State age, experience and salary required to 967/158, C. & D. Office.

WELL-KNOWN Company manufacturing leading Proprietary Toilet and Medicinal products require first-class Representative for South and East Yorkshire. Applicants must be resident on the territory and have a good chemist connexion. State age, experience and salary required to 967/157, C. & D. Office.

WEST LONDON and district. Firm of Manufacturing Chemists have a vacancy for first class representative to call upon doctors, hospitals and chemists in connexion with ethical pharmaceutical products. Applicants must reside in district. 968/190, C. & D. Office.

WORKS Analyst required by London firm of Manufacturing Chemists to supervise production control and assay work in connexion with B.P. products. B.Pharm. or Ph.C. qualification preferred, but not essential. Progressive position for suitable applicant. Write 967/156, C. & D. Office.

YOUNG Qualified M.P.S. (male or female) required as assistant works chemist by manufacturing chemists, S.W. London district. Knowledge of typing an advantage but not essential. Progressive permanent position. Write stating age, experience and salary required. 968/183, C. & D. Office.

WHOLESALE (OVERSEAS)

CHEMISTS urgently required by large company operating in the Middle East. Will be employed either on Development or Process work and should be prepared initially to undertake shift work on Process Plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-£600 p.a. according to qualifications, together with allowances in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance; Provident Fund benefits. Applicants must be of full British parentage and should write stating age, qualifications and experience to 968/184, C. & D. Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

DISPENSER, Apoth. Hall, seeks post; full or part time. London. Experienced. 968/198, C. & D. Office.

FULLY Qualified Chemist Pharmacist. "Square" trained, Coll. Education. First-class West-End and Continental experience. Single. Open for Locums from mid-May. 9½ gns. and expenses (approx.). 968/196, C. & D. Office.

LONDON Pharmacist, age 28, requires position as Manager. Current managerial experience. Excellent reference from present employer. Family reasons for change. Unfurnished accommodation for wife and self essential. 967/147, C. & D. Office.

WHOLESALE

ADVERTISER, 39, married, Public School, 20 years' experience proprietary lines, Toilets, Perfumery, Surgical Dressings and Plasters, seeks position as Sales and/or Branch Manager for firm of repute, Home or Abroad. Offers initiative, integrity, loyalty together with first-class selling experience over 20 years with well-known Distributor. Proven ability in training salesmen. War service includes 3 years as staff officer India/Burma. Passed Staff College. Rank of Major. Reply, 969/168, C. & D. Office.

REPRESENTATIVE seeks house of repute. Cosmetics, Patents, Photographic Sundries. 11 years' experience. Own car. Connexion London, Middlesex, Kent, Surrey, Sussex, Hants, Wilts, Dorset, Berks, Bucks, Oxon, part Essex. Salary, commission, expenses. Free now. Payne, 125 Durnsford Road, N.11. Tel.: Bow Pk. 3571.

REPRESENTATIVE, 16 years' Pharmacy experience, seeks position with reputable firm. Well-known to Chemists and Doctors, etc., in territory Kent to Land's End. 968/201, C. & D. Office.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 2d. for every additional word.

A DUBLIN firm of Manufacturing Chemists offers a full manufacturing, packing and distributing facilities, and will accept agencies for established lines only. 959/778, C. & D. Office.

TO TABLET MANUFACTURERS.

LONDON firm of Manufacturing Chemists with ample accommodation would like to come to suitable arrangement or would purchase outright a Tablet Making factory. 966/128, C. & D. Office.

TRADE MARKS

REGISTERED Trade Marks for sale without goodwill, namely ISOTONOVON and PHYSOVON. Apply 967/154, C. & D. Office.

APPOINTMENTS**CHEDDLETON MENTAL HOSPITAL**

NR. LEEK, STAFFS.

DISPENSER required with Apothecaries Certificate; Resident or Non-Resident. S in accordance with Recommendations of Negotiating Committee (Hospital Staffs.) pointment subject to Provisions of Asy Officers' Superannuation Act. Application to the Medical Superintendent.

COUNTY BOROUGH OF SOUTHEND-ON-SEA**SOUTHEND MUNICIPAL HOSPITAL ROCHFORD, ESSEX**

The Health Committee of the Council i applications for the post of Non-Res ASSISTANT PHARMACIST at the Hospital. Candidates should hold one o registerable qualifications of the Pharmac Society. The salary is at the rate of £320 x 20 (1), including War Bonus. The provi of the Local Government and Other Off Superannuation Act, 1937, will apply, and person appointed must satisfy the Cou Medical Examiner.

Application Forms, which can be obt from the Medical Superintendent of the Hos must be completed and returned to him as possible.

ARCHIBALD GLEN
Town C.

April 1946.

COUNTY BOROUGH OF SOUTHEND-ON-SEA**SOUTHEND MUNICIPAL HOSPITAL ROCHFORD, ESSEX**

QUALIFIED LOCUM ASSISTANT PHARMACIST (non-resident) required immediate Southend Municipal Hospital, male or fe Salary £7 7s. per week plus War Bonus. A Medical Superintendent (Telephone No. Roc 56278).

LOCUM PHARMACIST required by MIDSEX COUNTY COUNCIL at NO MIDDLESEX COUNTY HOSPITAL, Edton, N.18, from July 29, 1946 to October 5, Salary £7 7s. p.w. Applications immediate MEDICAL DIRECTOR of Hospital.

ST. LUKE'S MENTAL HOSPITAL**MIDDLESBROUGH
APPOINTMENT OF PHARMACIST
(Amended Advertisement)**

Applications invited for the post of whole male Pharmacist to this Hospital. The appointment is pensionable and comes under provisions of the Asylums Officers' Superannuation Act, 1909.

Candidates must be under the age of 35 and must hold the Diploma of M.P.S. or I together with the Diploma of Bio-Ch Analysis.

The successful Candidate will be require undergo a medical examination and must after appointment within the County Bo of Middlesbrough.

Full consideration will be given to those have served in H.M. Forces.

The salary offered is £370 rising to £4 five annual increments of £15, according to Recommendations of the Joint Negot Committee (Hospital Staffs).

Applications, accompanied by three r testimonials or references, should be forw without delay to the Medical Superinten St. Luke's Hospital, Middlesbrough.

Canvassing will disqualify.

RAPTON STATE INSTITUTION

ENTAL DEFECTIVES, NR. RETFORD, NOTTS.
PHARMACIST (Woman) Single. Commencing
age over 21 £223 x £20 to £323 per
month free quarters.
I is provided and charged for at cost price
present 14s. weekly.
A cents who should be members of the
Pharmaceutical Society will be required to carry
S onts of Dispenser.
A et to certain conditions, this post is
Sup able under the Civil Service Superannua-
tions.
es, stating age, experience and
etc., should be sent to the Medical
tendent.

SURREY COUNTY COUNCIL

INGSTON COUNTY HOSPITAL,
ERTON AVENUE, KINGSTON-ON-THAMES
(Perm. Appt.).

ST. LUKE'S HOSPITAL,
GUILDFORD

(Temp. Appt.)

ANT PHARMACIST. Must be M.P.S.
C. Salary £250 x £10—£300 p.a. plus
3s. p.w. male, 18s. 6d. p.w. female.
to Medical Superintendent.

CIES : CHEMISTS AND DRUGGISTS

ERNMENT OF SOUTHERN RHODESIA
ions from Qualified Chemists and
s are invited by the Government of
n Rhodesia for appointment to the
g posts in the Public Health Depart-

SERS (male or female not over 35).—
F.A.109—on the salary scale £300 per
rising by annual increments of £25 per
o £400 per annum.

AL SECRETARIES (male not over 35).—
No. F.A.119—on the salary scale £350 per
in rising by annual increments of £25 per
o £600 per annum. The commencing
or Dispensers and Hospital Secretaries
higher than the minimum of the scales
ceding four steps in such scales) according
qualifications and/or experience of
es appointed. There are a certain
of senior posts to which Hospital
es may be promoted, subject to vacan-
ring on the salary scale £650 per annum
annual increments of £25 per annum to
annum and one post in Head Office on
y scale £775 per annum x £25 to £900
m.

dition existing regulations provide for
ment of a marriage allowance of £50
to a married man who is maintaining
within this Colony, provided that the
salary and marriage allowance that
paid may not exceed £650 per annum.
ccessful applicants will be required to
medical examination by a Government
Officer, and will be required to register
sts and Druggists in this Colony.

ations, quoting appropriate Reference
stating age, marital condition, nation-
e, qualifications (with dates), previous
e (with dates), names of two persons
reference may be made and earliest
which duty could be assumed should be
ther with copies (not originals) of recent
ials to Ministry of Labour and National
London Appointments Office, 1-6 Tavis-
are, London, W.C.1.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

AUTOMATIC Cream Filler wanted at once; big
price paid. Shavex Co., Bavaria Road, Holloway, N. 19.

EDIBLE Sheet and Powdered Gelatin required
in large quantities. 965/970, C. & D. Office.

GLYCERIN Wanted, any quantity 1 cwt. upwards.
Offers to 967/162, C. & D. Office.

MANUFACTURERS urgently require $\frac{1}{2}$ and 1-oz.
Essence Bottles. Please quote for small or
large quantities to A. E. Bevan, Ltd., 20A Hall Street,
Southport, Lancs.

MICROSCOPES. We do not pay high prices for
old junk, but for fine modern apparatus our
prices are the best in the trade. If you want a
dependable overhauled microscope, consult us. One
criticism in ten years, and that speedily rectified—
that is our record. Wallace Heaton, Ltd. (Mayfair
7511, ask for Mr. Cole), 127 New Bond Street,
London, W.1.

QUINCE Seed, any quantity from 7 lb. upwards.
Also Saccharin Envelopes $2\frac{1}{2}$ " x $2\frac{1}{2}$ ", printed
or unprinted, gummed or ungummed; colour
immaterial. State quantities and prices. Trinity
Laboratories, Ltd., "Brook House," Blackburn.

SACCHARIN Tablets, large quantities, Bulk or
packed. Also Mixing machine for dry powders,
granulating machine and drug mill. Pearce, 143
Endike Lane, Hull.

SIFTER-MIXING Machine and Powder Filling
Machine required, new or second-hand. Send
fullest details to 967/165, C. & D. Office.

STEARIC Acid Triple Pressed required in large
quantities. 965/969, C. & D. Office.

SWEETENING Tablets. Bulk or packed. Any
quantity. Cash waiting. 964/949, C. & D. Office.

SWEETENING Tablets or Saccharin Tablets.
Bulk or packed. Cash waiting. Any quantity.
968/194, C. & D. Office.

URGENTLY Wanted, 1, 2, 4, 6, and 8 oz. medicine
bottles, 1 oz. ointment jars, 20 to 30 tablet
capacity bottles, all screw topped type. Any
quantity, immediate cash. The Animals' Hospital,
98 West Bar, Sheffield. Telephone 22764.

WANTED, 5 and 19 ton lots Aromatic Ground
Spent Spices or Drugs. Quotations to 968/172,
C. & D. Office.

8 OZ. Plain Medicals, 8-oz. ribbed Ovals, 2- $\frac{1}{2}$ -oz.
Panels; divisioned Cartons to hold any of
these. Samples and prices to S. Tatlow & Co., Ltd.,
Eckington, Sheffield.

26 OZ. and 13-oz. Wine or Champagne Bottles
required. 625/524, C. & D. Office.

EXPORT TRADE

BELGIAN Firm with well organised sales and
distribution services wishes to get in touch
with well-known and reputed English laboratory
with a view to obtaining exclusive agency for
Belgium-Luxemburg. First-class references and
bankers' guarantees will be submitted. Write
Etablissements M. & H. Toussaint, 50 rue de la
Facilitation, Brussels, Belgium.

MANUFACTUREK of Cosmetics and Toothpastes
wishes to contact agent or exporting firm for
all territories. 967/166, C. & D. Office.

WELL-ESTABLISHED Firm is prepared to accept
Agency of first-class British manufacturer of
patent medicine, herbs, chemists' sundries, Perfumery,
Toilet preparations, Spectacles and Optical goods,
Camphor, and Naphthalines, etc. Lengthy pre-war
representation of continental firms and manu-
facturers in Czechoslovakia, France, Holland and
Switzerland required. 967/153, C. & D. Office.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word.

BAKER STREET (near), London, W.1. High-class retail Chemists' Shop. Business established 50 years. Takings over £600 per week. Good quotas. Under management. Lock-up shop and basement, lease. Price £3,000, including stock and fittings. 964/949, C. & D. Office.

CHEMIST, Wine and Spirit business. Lock-up. Turnover £7,500 approx. p.a. £2,500 goodwill. Stock and fixtures at valuation; stock about £1,200. Great scope for N.H.I. North England Coastal Town. House also available if required. 967/151, C. & D. Office.

DALSTON. Drug-store for sale. £400 all at. Scope. Apply 968/191, C. & D. Office.

LONDON, NORTH. Medium-class family business now averaging over £50 cash per week. Rent £120, sublet £87. Gross profit 30 per cent. Price £350 plus stock at valuation. Property may be purchased if desired. No accommodation. 967/160, C. & D. Office.

MANCHESTER. Death vacancy. Old-established business in residential area. Average turnover 3 years £1,509. G.P. £550. Stock and Fittings recently valued £658. £800 accepted for quick sale. Property, with moderate living accommodation, must be bought at very low price of £500. 968/193, C. & D. Office.

PACKING Business situated in Belfast, Northern Ireland, doing business with Grocers and Chemists throughout this area; ample space and labour available for extension. Unique opportunity for firm or individual to get into this virgin area. Audited accounts. Apply 968/173, C. & D. Office.

SALE, near Manchester. Fine Modern shop and dwelling house in unique position: expensively fixtured for chemist. Premises closed through owner being called to H.M. Forces. Garden and garage at rear. Vacant possession. Price £3,000 subject to chief rent £12 per annum. Apply William Warnes, Estate Agent, 6 John Dalton Street, Manchester, 2. (Tel. Bla 4670.)

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or less

AVAILABLE for immediate delivery, 17 gross Iodized Throat Tablets, 22-25 tablets packed in inner bags and then in attractively printed cartons. These in outers of six dozen. Only available to holders of Purchase Tax certificates at 42s. per gross for total quantity, carriage paid, smaller lots, price to be adjusted. 968/181, C. & D. Office.

FOR SALE. Two 6 ft. by 29 in. mahogany sloping lift-up glass top counter cases. Perfect condition. Seen at Nageles, 8/12 Broadwick Street, Wardour Street, W.1.

ONE Rotary Tablet Machine and One Single Punch Tablet Machine for sale. For appointment to inspect, write 968/171, C. & D. Office.

SACCHARIN Envelopes, limited stocks now available; minimum supply 6,000 lots at 6/6 a thousand. Lewis East, Ltd., Envelope Makers, Leicester.

SOME second-hand show cases and fittings suitable for Chemist's shop or Laboratory. Very reasonably priced. Write or telephone Chippendale's Workshops, Ltd., 12/18 Hoxton Street, N.1. Clerkenwell 1686.

1OZ. Squat Jars for disposal; 25 gross with black metal screw cap. 2 oz. squat jars; 25 gross with red metal screw cap. H. S. Bottle Co., Ltd., 15a Whitcomb Street, W.C.2.

AGENCIES

7/6 for 36 words or less, 2d. for every additional

AFIRM of selling agents and distributors A retail and wholesale Chemists, Hair Co-ops, Departmental Stores, with a large experienced salesmen all fully covered with Bonds are open to consider one or two agencies. Only firms paying high commission large quotas and full delivery considered. C. & D. Office.

AGENT with first-class sales organisation A additional lines, Pharmaceutical, To Connexion Chemists, Co-op. Societies, Dept Territory, North Yorkshire, N.E. Counties, Stock or commission basis. 968/186, C. & I.

BRISTOL and WEST. First-class Chemist and Allied required. Must house. Write first to 968/185, C. & D. Office.

DURHAM/NORTHUMBERLAND. Manufacturers require additional reputable lines. Three Representatives permanently in the Area. 500 sound accounts. Would specialising. Office and showroom in the All replies answered and treated in confidence. Write 967/163, C. & D. Office.

FIRM of Agents require agency for C. Full representation guaranteed. C. & D. Office.

SALES and Distributing Organisation with established successes having a team of salesmen and open accounts with most Co-operative Soc. and Stores throughout Britain are open to consider (1) Sole Selling (2) Purchase of lines with good turnover pos. Would consider linking up with enterprise manufacturing concern. Box 768, Armstrong-Ward 69 New Oxford Street, London, W.C.1.

YORKSHIRE. First-class Representative Agency for house of repute. Advert excellent connexion, of over twenty years throughout Yorkshire with Chemists, Departmental Stores and Hairdressers. Bank and other reliable unimpeachable. Own car. 968/178, C. & I.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional

HILLIER, PARKER, MAY & ROBERTS, Surveyors and Valuers, 77 Grosvenor W.1, have applications for several sound aggressive single-shop Businesses occupying trading positions in London and Provincial Group Concern would be seriously considered. Others contemplating sale or their solicitor invited to write for further information to Parker, May & Rowden, 77 Grosvenor Street, W.1.

SMALI Manufacturing Chemist or cosmetics toilet preparations business required. Conditions given to retail chemist with manufacturer's licence. Box C.38, Lee & Nightingale, Liverpool.

WANTED, to buy, Drug Store, with living accommodation preferred but not essential. North-East Coast. Write 968/179, C. & I. with particulars.

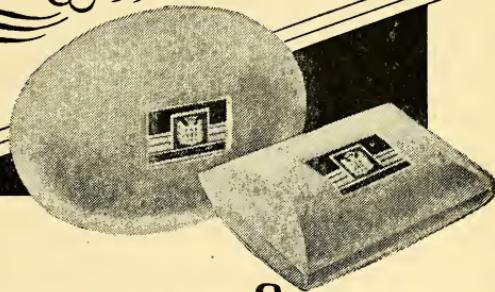
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SOUTH WALES COASTAL TOWN. Partnership offered to Qualified Pharmacist. One capital needed. Fully secured. Sound Salary and profit sharing basis. Full details C. & D. Office.



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